



2020-2021 Catalog

Catalog Home

Official Catalog Publication Date: July 1, 2020

Our course Catalog is online to give you easy access from any computer or mobile device.

The Catalog applies to students entering or returning to National Park College in the 2020-2021 academic year and students whose Catalog year is 2020-2021.

Disclaimer: This Catalog applies to new students entering National Park College in the 2020-2021 academic year and returning NPC students whose governing Catalog has expired. Students with specific questions about this policy should see the Registrar or other appropriate academic administrator.

Every effort has been made to assure the accuracy of the information in this publication. Students are advised, however, that any requirement or provision of this Catalog may change without notice at any time. Therefore, current or prospective students should verify the accuracy of information in this Catalog with a College official.

The contents of National Park College Catalogs do not constitute an irrevocable contract between any current or prospective student and the College. Further, the College is not responsible for any misrepresentation of its requirements or provisions that might result from errors in the preparation of its Catalogs. The College reserves the right to add, amend, or repeal any rules, regulations, policies, and procedures as provided by law. Finally, the College Catalog shall not be considered as an abridgment or limitation of any rights, powers, or privileges of the Board of Trustees.

Learning is our focus; student success is our goal.

National Park College 101 College Drive Hot Springs, AR 71913 501.760.4222 844.806.8752

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President's Welcome Letter

I am delighted to give you a 'virtual welcome' to National Park College. Since you're here, you probably already know that the investment you are making in your education will pay huge dividends over your lifetime - financially, in your profession, and your overall quality of life. At National Park College, we're committed to keeping the tuition low and the instructional quality high. We remain half the cost of the average Arkansas university.

NPC graduates have gone on to thrive both personally and professionally. They are educators, public administrators, medical professionals, executives, and more. Many Nighthawk alums transfer to four-year institution where, on average, they are more successful than native students in terms of grade point average.

If you are considering your career options, we are eager to help you navigate that. If you are certain about your future, we can help you reach your destination faster. We are designed to help students grow and succeed, and we'd like the chance to show you that.

Our community college is part of a greater partnership, one that involves community leaders, taxpayers, donors, trustees, legislators, alums, students, faculty, and the support of the state of Arkansas. We invite you to join with us to see how we can help.

- John Hogan

Mission Statement

Learning is our focus; student success is our goal.

Our Values:

Access – We assist students in achieving their individual educational goals by creating a learning community that is accessible, convenient, caring, affordable, and secure.

Excellence – We strive for exemplary performance in all we do. Assessment of student learning is a means of measuring our success.

Accountability - We are all accountable to ourselves and to one another in a learning community. We expect all members to act responsibly, behave ethically, and grow professionally.

Collaboration – We facilitate partnerships that enhance learning, solve problems, promote economic development, and improve quality of life.

Mutual Respect and Support – We recognize the dignity and inherent worth of all individuals. We create opportunities to explore diversity of ideas, individuals, and cultures through open communication.

Our Vision:

We aspire to be the premier comprehensive community college in the state by providing learning for life opportunities while offering exemplary service to our community.

Our Purpose:

As a comprehensive community college, NPC offers

- A broad general education curriculum and support services for all students as a basis for transfer, further study, professional specialization, and personal enrichment.
- Pre-college coursework to prepare students for academic success.
- A variety of technical and professional programs to prepare students for career experiences.
- Continuing education and workforce training opportunities to meet community needs and personal interests.

Accreditation Information

National Park College is accredited by The Higher Learning Commission, 230 South LaSalle Street, Suite 7 - 500, Chicago, IL 60604. Phone: [800-621-7440](tel:800-621-7440), Website: www.hlcommission.org

Most programs and courses satisfactorily completed at this institution will transfer to other colleges and universities throughout the United States. However, we encourage students who plan to transfer to discuss specific courses and transfer options with an advisor or a faculty mentor as early as possible.

The Automotive Service Technology Program at National Park College is accredited by the National Institute for Automotive Service Excellence, 1503 Edwards Ferry Rd., NE, Suite 401, Leesburg, VA 20176, Phone: [703-669-6650](tel:703-669-6650), Website: www.asealliance.org/

The National Park College Emergency Medical Sciences Program is approved by the Arkansas Department of Health - Section of EMS to provide EMS education. National Park College's Paramedic program is accredited by the Commission on Accreditation of Allied Health Education Programs (www.caahep.org) upon the recommendation of the Committee on Accreditation of Education Programs for the EMS Professions (CoAEMSP). CoAEMSP may be contacted at Lakeview Parkway, Suite 111-312, Rowlett, TX 75088, Phone: [214-703-8445](tel:214-703-8445), Website: www.coaemsp.org.

The HIT Associate of Applied Science program is accredited by the Commission on Accreditation for Health Informatics and Information Management Education (CAHIIM). CAHIIM, 233 N. Michigan Avenue, 21st Floor, Chicago, IL 60601-5800, Phone: [312-233-1100](tel:312-233-1100), Website: www.cahiim.org

The Medical Laboratory Technology Program is accredited by the National Accrediting Agency for Clinical Laboratory Sciences. NAACLS may be contacted at 5600 N. River Road, Suite 720, Rosemont, IL 60018-5119, Phone: [773-714-8880](tel:773-714-8880), Website: www.naaccls.org

Nursing Programs, both the AS (RN) and the PN (LPN) Certificate, are approved by the Arkansas State Board of Nursing. The Associate degree program is also accredited by the Accreditation Commission for Education in Nursing (ACEN). ACEN supports the interests of nursing education, nursing practice, and the public by the functions of accreditation. Accreditation is a voluntary, peer-review, self-regulatory process by which non-governmental associations recognize educational institutions

or programs that have been found to meet or exceed standards and criteria for educational quality. ACEN invites third party comments. ACEN may be reached at 3343 Peachtree Road NE, Suite 850, Atlanta, GA 30326, Phone: [404-975-5000](tel:404-975-5000), Website: www.acenursing.org

The Professional Medical Coding Program is approved by the American Health Information Management Association's Professional Certificate Approval Program (PCAP). 233 N. Michigan Avenue, 21st Floor, Chicago, IL 60601-5809, Phone: [800-335-5535](tel:800-335-5535), Website: www.ahima.org

The Radiography Program is also accredited by the Joint Review Committee on Education in Radiologic Technology. This accreditation agency may be contacted at 20 N. Wacker Drive, Suite 2850, Chicago, IL 60606-3182, Phone: [312-704-5300](tel:312-704-5300), Website: www.jrcert.org

The Respiratory Care Program at National Park College is accredited by the Commission on Accreditation for Respiratory Care (CoARC). CoARC offices are located at 264 Precision Blvd, Tedford, TN, 37690, Phone: [817-283-2835](tel:817-283-2835), Website: www.coarc.com

The Welding Technology Program at National Park College is accredited by the National Center for Construction Education and Research (NCCER). NCCER offices are located at 13614 Progress Boulevard, Alachua, FL 32615, Phone: [386-518-6500](tel:386-518-6500) or [888-622-3720](tel:888-622-3720), Website: www.nccer.org

The Hospitality Program is accredited by the Accreditation Commission for Programs in Hospitality Administration (ACPHA), Phone: [410-226-5527](tel:410-226-5527), Website: www.acpha-cahm.org

The Business Programs are accredited by the Accreditation Council for Business Schools and Programs, 11520 West 119th Street Overland Park, KS 66213, Phone: [913-339-9356](tel:913-339-9356), Website: <https://www.acbsp.org/>

NPC has been approved to participate in the National Council for State Authorization Reciprocity Agreements.

The College holds institutional memberships in the following:

- American Association of Community Colleges
- Arkansas Community Colleges
- Association of Community College Trustees
- Council for Higher Education Accreditation
- Greater Hot Springs Chamber of Commerce
- The Higher Learning Commission
- League of Innovation in the Community College
- National Institute for Staff and Organizational Development (NISOD)

Please contact the accrediting bodies directly or the Office of the Vice President for Academic Affairs at (501) 760-4203 to obtain more information regarding the College's accreditation standing with any of the above accrediting agencies.

AFFIRMATIVE ACTION POLICY

STATEMENT OF INTENT

It is the intention of National Park College to assure that all applicants for full-time positions receive equitable consideration through the Search Committee process. All employees, both full and part-time, are treated equally during employment without regard to race, creed, color, national origin, religion, age, reliance on public assistance, physical disability, marital status, handicap, or sex unless one of those factors is a bona fide occupational qualification. Pertinent areas of equal opportunity shall include recruitment, selection, appointment, advancement, transfer, layoffs, downgrading, compensation, selection for training, or any other personnel action at the College.

The College shall, in exercising such responsibilities, consider only the availability and qualifications of individuals involved. All employees should conduct themselves in accordance with this policy in all day-to-day relationships with fellow employees and shall not by word or action deprecate another individual or interfere with the performance of job assignments because of race, creed, color, national origin, religion, age, reliance on public assistance, physical disability, marital status, handicap, or sex.

ASSIGNMENT OF RESPONSIBILITY

The Affirmative Action Officer for the College shall be a staff member appointed by the President and responsible to the President.

It shall be the responsibility of the Affirmative Action Officer to provide leadership and general supervision for this Affirmative Action Policy. The President of the College shall be responsible for the implementation of the policy.

The President of the College or his designee shall:

- Recruit, select, and employ personnel without discrimination because of race, creed, color, national origin, religion, age, reliance on public assistance, physical disability, marital status, handicap, or sex unless one of those factors is a bona fide occupational qualification.
- Wherever feasible, provide orientation and in-service training for new employees until an acceptable level of adjustment to the College has been reached.

- Uniformly apply rules and regulations concerning employment, including but not limited to, equality of wages, advancement, promotion, assignment of work, job performance, imposition of penalties, disciplinary action, and other aspects of the College's employment program administration.
- Take affirmative action to provide equal opportunity in employment.
- Assure that qualified members of minority groups and women are proportionately represented on committees concerning ratings, grievances, appeals, awards, promotions, etc.
- Hold exit interviews with all employees to determine the reason for termination.
- Submit reports as required by the Arkansas Department of Higher Education and other agencies.

COMMUNICATIONS

The President of the College, or his designee, shall undertake the following steps to ensure that all employees are advised and understand its policy of non-discrimination and the interest in actively and affirmatively providing equal opportunity in all employment practices.

A copy of this Affirmative Action Policy shall be made available to each employee, together with a memorandum from the President stressing the firm commitment of National Park College to enforce the policy.

The policy shall be included and thoroughly reviewed by the Affirmative Action Officer in the College's on-going or special employee training programs, to include:

- Orientation training required of each new employee on entry of duty.
- Awareness training sessions shall be conducted for all employees under the supervision of the Affirmative Action Officer.

The policy shall be prominently displayed on the employee bulletin boards.

The policy shall be made known to the agencies involved in the recruitment of personnel.

The President of the College or his designee shall:

- Participate in meetings with the Arkansas Department of Higher Education and/or other agencies.
- Internally communicate the College's equal employment policy in such a manner as to foster understanding, acceptance, and support on the College campus, and to encourage such persons to take the necessary action to aid in meeting the equal opportunity obligations.
- Engage in programs of positive recruitment and provide equal and objective consideration of all applicants.

OBJECTIVES

The overall purpose of National Park College's Affirmative Action Plan is to demonstrate its total commitment to a policy of equal opportunity, and in particular to take positive steps to obtain adequate representation of minority groups and females in all job categories. Therefore, the President of the College or his designee shall:

- Actively recruit, hire, and promote minorities and females into job classes where they are currently not adequately represented in the professional and supervisory categories.
- Work closely with the Arkansas Department of Higher Education in the establishment of procedures to facilitate the recruitment, hiring, and promotion of members of minority groups and females.
- Ensure that all applicants or present employees are not denied employment or promotion because of race, creed, color, national origin, religion, age, reliance on public assistance, physical disability, marital status, handicap, or sex.
- Utilize present training courses or develop new courses directed toward the upgrading of minorities and females, if needed.
- Be aware of periodic review of the Affirmative Action Plan.
- Commit to achieve established goals and timetables.

HUMAN RESOURCES COMMITTEE AND GRIEVANCE PROCEDURE

- A Human Resources Committee has been established as designated in Chapter I, Page 1, of the Arkansas College and University Plan for

Compliance with Title VI of the Civil Rights Act of 1964 (March, 1977 edition).

- Grievance Procedure - A grievance process shall be available to employees in order to assure that consideration will be given to complaints concerning possible violations or failure to comply with this Affirmative Action Plan. This procedure is outlined in the College's Board of Trustee's Policy Manual.

RECRUITMENT

The College shall utilize techniques to improve recruitment of minorities such as:

- All personnel involved in recruiting and related processes shall be trained in, and be sensitive to, the problems of minorities and females. The College President shall ensure that such training is provided.
- All College employees shall be encouraged to assist in the recruitment of minorities and females for positions.
- Recruitment areas for the employee classifications are as follows:
 - Faculty and Administrators - The recruitment area is defined as the entire United States.
 - Staff - The recruitment area is defined as those areas from which employees can reasonably be expected to commute to Hot Springs.

SELECTION, PLACEMENT, AND PROMOTION

Hiring practices at National Park College shall be structured so as to achieve the goal of employing a reasonable proportion of minority group members and women. The Affirmative Action recruitment, placement, and promotion processes shall include the following:

- Written job descriptions including responsibilities and qualifications shall be made available to all persons involved in recruiting, screening, and selecting employees. This information will be available to all applicants.
- A conscientious effort will be made to publicize available job opportunities, especially in ways which will make such opportunities

known to qualified minority group members and women. Notices shall contain the statement that this is an equal opportunity employer.

- Minorities and/or women shall serve on search committees when such members are available.
- When interviews are part of the selection, placement, or promotion process, a uniform written record shall be maintained.
- A report, relative to the process utilized to assure fair and equal treatment in hiring, dismissal, or demotion, shall be submitted to the College President.

IMPLEMENTATION

The President with the assistance of the Affirmative Action Officer shall be responsible for implementation of the Affirmative Action Program at the College. It shall be the President's duty to carry out the mandate of the program through whatever means are appropriate. Duties of the President or his designee are:

- To develop plans, procedures, and methods for implementing equal opportunities for minorities and women at the College.
- To review and evaluate reports on the efforts and the progress made under the Affirmative Action Program and insist upon full compliance with the plan at all levels within the College.
- To report, as necessary, to the Arkansas Department of Higher Education and other agencies, progress toward equal opportunity at the College.

APPROVAL OF THE BOARD OF TRUSTEES

The President will report to the Board of Trustees of National Park College an annual status report on Affirmative Action procedure and impact.

National Park College FERPA Procedures

Included in this guide are standard operating procedures for National Park College as related to the Family Educational Rights and Privacy Act (FERPA).

Policy Statement: The College will support and comply with the Family Education Rights and Privacy Act of 1974.

Definitions

The following definitions apply to the FERPA procedures written herein:

1. **Directory information** - information contained in the education record that would generally not be considered harmful or an invasion of privacy if disclosed. Directory information at NPC includes:
 - Name
 - Address
 - Email Address
 - Phone Number
 - Date of Birth
 - Photograph
 - Academic Major
 - Full-time or part-time enrollment status
 - Academic and non-academic honors
 - Other academic institutions attended
 - Degree obtained and date conferred
 - Participation in officially recognized activities and sports
 - Height and weight of members of athletic teams
 - Leadership positions
 - Dates of attendance
2. **Education record** - any record (handwritten, printed, typed, filmed or preserved in any other medium) that is maintained by NPC that is directly related to a student.
3. **Legitimate educational interest** - a school official exercises "legitimate educational interest" if the official needs to review an education record in order to perform his or her professional responsibilities.
4. **Personally identifiable information** - includes a student's name or address, or the name or address of the student's parents or family members, a personal identifier such as a student's social security number, other direct identifiers

such as the student's date of birth, place of birth and mother's maiden name or any other information that alone or in combination can be linked to a specific student in a way that would allow a reasonable person in the school community, who does not have personal knowledge of the student, to identify the student with reasonable certainty.

5. **School official** - a person employed by NPC in an administrative, supervisory, academic or research, or support staff position; a person or company with whom NPC has contracted; a person serving on the Board; or a student serving on an official committee or assisting another school official in performing his or her tasks.
6. **Student** - any individual who is currently enrolled or has previously been enrolled at NPC (formerly NPCC; includes GCCC and QTI).
7. **Valid consent** - consent is considered valid when the student has submitted a signed request using a handwritten signature or authenticated electronic method, such as the school-issued email or an approved service affiliated with the College, such as FAFSA or Parchment.

Procedures and Responsibilities

1. **Annual Notice of Students' Rights under FERPA** - NPC publishes an annual notice on FERPA in the Student Handbook as well as on the NPC website that summarizes student records privacy rights. In addition, the Registrar emails an annual notice to all students on the first day of classes each fall term.
2. **Students Request for Access to Education Records** - In accordance with FERPA guidelines, students have the right to inspect and review their education record upon written request to the appropriate records custodian. The written request must specifically identify the records requested. NPC will comply with all requests within 45 days of receipt of the request.
 - Students may contact the Registrar or the appropriate records custodian as outlined in the NPC Records Retention Schedule. The college will utilize appropriate identification methods, such as a valid photo ID and/or verification questions, to identify the student or parent of a dependent child requesting access.
 - NPC Leadership will determine costs for copies of records.
 - NPC is not required to permit a student to inspect or review the following:
 - Financial records of the student's parents
 - Letters of recommendation if the student has waived rights to access

- Admission records if the application was denied
 - Records that are not considered “education records” as outlined in FERPA guidelines.
 - If the record includes information on more than one student, NPC will redact all information pertaining to other students prior to student inspection.
 - Students with outstanding financial obligations will not receive copies of their academic transcript or diploma until those obligations are satisfied. The student retains the right to review this information with the Registrar.
3. **Requests to Amend Education Records** - Students have the right to request an amendment of student records if they believe information is inaccurate or misleading. This request process does not include appeals for grade changes, which follow the academic grade appeals process. NPC will review the request and render a decision within a reasonable period. If the request is denied, the college will notify the student of options for appeal.
4. **Disclosure of Personally Identifiable Information** - NPC requires signed, dated written consent from a student to disclose personally identifiable information from an education record, except as otherwise noted in FERPA guidelines.
- The consent to disclosure must specify the records for which consent is granted, the purpose for the disclosure, and the identity of the person or organization to which the record can be disclosed. Students can provide consent to disclosure of information by submitting the NPC Consent to Release Information form to the Registrar's Office. The consent will remain in effect until rescinded in writing.
 - Consent may be submitted electronically when the consent identifies **and** authenticates the student as the source of the consent and indicates the student's approval of the requested disclosure.
 - Acceptable forms of electronic consent include: a handwritten signature that is faxed or scanned to the college as part of an entire document; marks, initials, or checkboxes provided through an online form that is accessible only after inputting one's NPC login credentials and is tied to the NPC account; an email from the NPC student email address or consent provided through the student portal; and any paper or online form that complies with one of the criteria above.

- Unacceptable digital/electronic signatures include: a graphic image placed on a document and not verified by secure software; typewritten name regardless of font that has not been verified through secure software or through the student portal; an email from an email address other than the NPC student email; any other unauthenticated communication
- NPC may disclose information from a student's education record to the following parties without written consent:
 - School officials with legitimate educational interest.
 - The National Student Clearinghouse, which collects and shares student data for reporting, data verification, and reverse transfer purposes.
 - Parents when the student is a dependent for tax purposes and appropriate documentation of dependency status is on file; when a health or safety emergency requires disclosure to the parent; or when the student is under 21 at the time of disclosure and has violated federal, state or local laws or an NPC policy governing the use or possession of alcohol or a controlled substance and NPC has found the student in violation of the Student Code of Conduct.
 - Schools to which the student intends to transfer if the disclosure is related to enrollment or transfer.
 - Specified officials of the US Department of Education, the Comptroller General, the Attorney General of the United States, US Department of Veteran Affairs, and state and local educational authorities for audit or evaluation of Federal or state supported education programs or for the enforcement of or compliance with Federal legal requirements related to those programs.
 - Appropriate parties in connection with financial aid to a student.
 - Organizations conducting certain studies for or on behalf of the school as outlined in an established. agreement between the organization and the college
 - Accrediting organizations to carry out their accrediting functions.
 - Individuals delivering a judicial order or lawfully issued subpoena - NPC will make a reasonable effort to contact

the student unless the judicial order or subpoena specifically and lawfully prohibits it.

- Appropriate officials in cases of health and safety emergencies if knowledge of the information is necessary to protect the health or safety of the student or other individuals.
 - Victims of an alleged perpetrator of a crime of violence or a non-forcible sex offense, limited only to the final results of an NPC disciplinary hearing regardless of the College's findings.
 - General public - the final results of a disciplinary proceeding if NPC determines the student is an alleged perpetrator of a crime of violence or non-forcible sex offense and the student has committed a violation of the NPC's policies or Student Code of Conduct with respect to the allegation made against him or her.
 - State and local authorities, within a juvenile justice system, pursuant to specific State law.
 - To relatives of a deceased student when sufficient documentation of a student's death and their relationship to the student is provided.
- The Registrar's office will maintain a record of any requests for and releases of personally identifiable information made by a third party without written student consent or a lawfully issued court order or subpoena. The record will include the date the information was released, to whom the information was released, the records that were released, and the purpose of the request. In most cases, NPC will still require a student's written consent to release the information.

5. Disclosure of Directory Information - Information designated as directory information may be released by NPC without a student's consent.

- Directory information includes the following:
 - Name
 - Address
 - E-mail address
 - Phone number
 - Photograph

- Date of Birth
 - Academic major
 - Full-time or part-time status
 - Academic and nonacademic honors
 - Degree obtained and date conferred
 - Participation in officially recognized activities and sports
 - Height and weight of members of athletic teams
 - Leadership positions
 - Dates of attendance
 - Students may request to restrict release of directory information by submitting the NPC Non-Disclosure of Directory Information form to the Registrar's Office. The request will remain in effect until a new request is submitted to rescind the original request. The non-disclosure will restrict disclosure of all directory information unless requested differently in writing.
 - Restricting directory information does not prevent NPC from disclosing or requiring a student to disclose a student's name, student ID, or electronic identifiers in a class in which the student is enrolled.
6. **Security** - Computer Services/IT is responsible for maintaining the security of the NPC networks, servers, and all electronic communications and services. IT works with the campus to maintain appropriate security controls based on roles and proven legitimate educational interest.
7. **FERPA Training for Faculty/Staff** - NPC conducts annual FERPA training through the Learning Management System (LMS). In addition, annual email notifications to all employees are sent as a reminder of FERPA guidelines.
- Expectations of School Officials - It is expected that school officials with access to student records maintain high ethical and behavioral standards regarding the access, maintenance, and dissemination of student information. Passwords should be kept in a secure location, personally identifiable information should not be displayed in open locations, and security violations or data breaches must be reported immediately.
8. Complaints alleging NPC's failure to comply with FERPA regulations may be submitted to the Family Policy Compliance Office, US Department of Education, 400 Maryland Ave SW, Washington, DC 20202-8520.

Academic Calendar

2020 Fall

8/24/2020 – 12/14/2020

August 24: First Day of Classes

September 7: Labor Day (College Closed)

November 25 – 28: Thanksgiving Break (College Closed)

December 7: Last Day of Classes

December 8 – 14: Final Exams

December 21 – January 3: Winter Break (College Closed)

2021 Spring

1/13/2021 – 5/8/2021

January 13: First Day of Classes

January 18: Martin Luther King Day (College Closed)

March 22 – 27: Spring Break (College Closed)

April 30: Last Day of Classes

May 3 – 8: Final Exams

May 15 (tentative): Commencement Ceremony

Refer to the Academic Calendar on the website for the current and up-to-date term dates.

NPC Degree Pathways

Arts & Humanities

Art & Design

- Digital & Media Arts, CP
- Digital & Media Arts, TC
- Digital & Media Arts, AAS
- Digital & Media Arts, AAS for Transfer to UAFS BAS (Emphasis - Management & Leadership)
- Graphic Design, ASLAS for Transfer to HSU BFA in Graphic Design
- Studio Art, ASLAS for Transfer to HSU BFA in Studio Art

English & Communication

- Advertising, ASLAS for Transfer to HU (Harding University) BA in Advertising
- Communication Studies, ASLAS for Transfer to ASUJ BA in Communication Studies
- Communication Studies, ASLAS for Transfer to HU (Harding University) BA in Communication Studies
- English, ASLAS for Transfer to ASUJ BA in English
- Film, ASLAS for Transfer to HU (Harding University) BA in Film
- Integrated Marketing Communication, ASLAS for Transfer to HU (Harding University) BA in Integrated Marketing Communication
- Media Production, ASLAS for Transfer to HU (Harding University) BA in Media Production
- Multimedia Journalism, ASLAS for Transfer to HU (Harding University) BA in Multimedia Journalism
- Public Relations, ASLAS for Transfer to HU (Harding University) BA in Public Relations
- Strategic Communication, ASLAS for Transfer to ASUJ BA in Strategic Communications

Humanities

- Bible and Ministry, ASLAS for Transfer to HU (Harding University) BA in Bible and Ministry
- Philosophy, ASLAS for Transfer to UCA BA in Philosophy
- Philosophy, ASLAS for Transfer to UCA BS in Philosophy

Music

- Music, ASLAS for Transfer to HSU BA in Music
- Music, ASLAS for Transfer to HSU BM in Instrumental Performance (Wind, Percussion & Strings)
- Music, ASLAS for Transfer to HSU BM in Keyboard Performance (Organ)
- Music, ASLAS for Transfer to HSU BM in Keyboard Performance (Piano)
- Music, ASLAS for Transfer to HSU BM in Vocal Performance

Theatre

- Theatre, ASLAS for Transfer to HU (Harding University) BA in Theatre

Business

Accounting

- Accounting Technician, TC
- Business Management (Accounting), AAS
- Business Management (Accounting), AAS for Transfer to UAFS BAS (Emphasis - Management & Leadership)

Business

- Associate of Arts for Transfer to UAFS BS in Organizational Leadership
- Basic Business Law, CP
- Basic Business Management, CP
- Basic Business Principles, CP
- Business, AS for Transfer
- Business, AS for Transfer to UAFS BBA
- Business Information Systems, AS for Transfer to UALR BBA in Business Information Systems
- Business Management (Management/Marketing), AAS
- Business Management (Management/Marketing), AAS for Transfer to UAFS BAS (Emphasis - Management & Leadership)

Business Information Systems

- Business, AS for Transfer to HSU BBA in Data Science
- Business Information Systems, AS for Transfer to UALR BBA in Business Information Systems

Hospitality & Tourism

- Hospitality Administration, ASLAS for Transfer to ATU BS in Hospitality Administration (Event Management)
- Hospitality Administration, ASLAS for Transfer to ATU BS in Hospitality Administration (Food Service Management)
- Hospitality Administration, ASLAS for Transfer to ATU BS in Hospitality Administration (Lodging Management)
- Hospitality and Tourism Management, AAS
- Hospitality and Tourism Management, AAS for Transfer to UAFS BAS (Emphasis - Management & Leadership)
- Hospitality and Tourism Management, TC
- Hospitality Management, CP

Education

Art Education

- Art Education, ASLAS for Transfer to HSU BSE in Art Education

Elementary Education

- Education, AS for Transfer to HSU BS in Elementary Education K-6
- Education, AS for Transfer to UCA BS in Elementary Education K-6

Middle Level Education

Language Arts & Math

- Education, AS for Transfer to HSU BS in Middle Level Education 4-8 - Math/Language Arts
- Education, AS for Transfer to UCA BS in Middle Level Education - Language Arts/Math

Language Arts & Science

- Education, AS for Transfer to HSU BS in Middle Level Education 4-8 - Language Arts/Science
- Education, AS for Transfer to UCA BS in Middle Level Education - Language Arts/Science

Language Arts & Social Studies

- Education, AS for Transfer to HSU BS in Middle Level Education 4-8 - Language Arts/Social Studies
- Education, AS for Transfer to UCA BS in Middle Level Education - Language Arts/Social Studies

Math & Science

- Education, AS for Transfer to HSU BS in Middle Level Education 4-8 - Math/Science
- Education, AS for Transfer to UCA BS in Middle Level Education - Math/Science

Math & Social Studies

- Education, AS for Transfer to HSU BS in Middle Level Education 4-8 - Math/Social Studies
- Education, AS for Transfer to UCA BS in Middle Level Education - Math/Social Studies

Science & Social Studies

- Education, AS for Transfer to HSU BS in Middle Level Education 4-8 - Science/Social Studies
- Education, AS for Transfer to UCA BS in Middle Level Education - Science/Social Studies

Music Education

- Music, ASLAS for Transfer to HSU BM in Choral Education

Secondary Education

- Social Studies (History), ASLAS for Transfer to UCA BSE in Social Studies (History)

Special Education

- Education, AS for Transfer to HSU BS in Special Education K-12

Health Professions

Health Sciences

Addiction Studies

- Addiction Studies, ASLAS for Transfer to UCA BS in Addiction Studies

Allied Health

- Allied Health, TC

Dietetics & Nutrition

- Community Nutrition, ASLAS for Transfer to UCA BS in Community Nutrition
- Dietetics, ASLAS for Transfer to HSU BS in Family & Consumer Sciences (Dietetics)
- Dietetics, ASLAS for Transfer to UCA BS in Dietetics

Emergency Medical Services

- Emergency Medical Services - Paramedic, AAS
- Emergency Medical Services - Paramedic, AAS for Transfer to UAFS BAS (Emphasis - Management & Leadership)
- Emergency Medical Services - Paramedic, TC
- Emergency Medical Technician, CP

Funeral Service Education

- Funeral Service Education NPC/UAHT, AAS

Health Education

- Health Education, ASLAS for Transfer to UCA BS in Health Education

Health Information Technology

- Health Information Technology, AAS
- Health Information Technology, AAS for Transfer to UAFS BAS (Emphasis - Management & Leadership)

Health Services Administration

- Health Sciences (Health Services Administration), ASLAS for Transfer to UCA BS in Health Sciences (Health Services Administration)

Medical Laboratory Technology

- Medical Laboratory Technology, AAS
- Medical Laboratory Technology, AAS for Transfer to UAFS BAS (Emphasis - Management & Leadership)

Nursing

Practical Nursing

- Practical Nursing, TC

Registered Nursing

- Registered Nursing, AS
- Registered Nursing, AS - LPN to RN - Option 1
- Pre-Nursing, TC

Radiology

- Radiologic Technology, AAS
- Radiologic Technology, AAS for Transfer to UAFS BAS (Emphasis - Management & Leadership)

Respiratory Therapy

- Respiratory Care, AAS
- Respiratory Care, AAS for Transfer to UAMS BS in Cardio-Respiratory Care
- Respiratory Care, AAS for Transfer to UAFS BAS (Emphasis - Management & Leadership)

Industrial Technology

Automotive Service Technology

- Automotive Service Technology, AAS
- Automotive Service Technology, AAS for Transfer to UAFS BAS (Emphasis - Management & Leadership)
- Automotive Service Technology, TC
- Automotive Service Technology, CP
- Automotive Brake Specialist, CP
- Automotive Front End Specialist, CP
- Automotive Service/Maintenance, CP
- Automotive Tune-up Specialist, CP

General Technology

- General Technology, AAS

Industrial Technology

- Industrial Technology, TC
- Industrial Controls, CP
- Mechanical Systems, CP

Marine Repair

- Marine Repair Technology, TC

Welding

- Welding Technology, TC
- Pipe Welding, CP
- Welding/GMAW, CP
- Welding/GTAW, CP
- Welding/SMAW, CP

Social & Behavioral Sciences

Criminal Justice

- Criminal Justice, AAS
- Criminal Justice, AAS for Transfer to UAFS BS in Criminal Justice
- Criminal Justice, CP

Criminal Justice for Active Law Enforcement

Crime Scene Investigation

- CJI Crime Scene Investigation, AAS
- CJI Crime Scene Investigation, TC
- CJI Crime Scene Investigation, CP

Law Enforcement Administration

- CJI Law Enforcement Administration, AAS
- CJI Law Enforcement Administration, TC
- CJI Law Enforcement Administration, CP

Social Sciences

Anthropology

- Anthropology, ASLAS for Transfer to UCA BA in Anthropology
- Anthropology, ASLAS for Transfer to UCA BS in Anthropology

Geography

- Geography, ASLAS for Transfer to UCA BA in Geography
- Geography, ASLAS for Transfer to UCA BS in Geography
- Geography - Geospatial Technology, ASLAS for Transfer to UCA BA in Geography - Geospatial Technology
- Geography - Geospatial Technology, ASLAS for Transfer to UCA BS in Geography - Geospatial Technology

History

- History, ASLAS for Transfer to UCA BA in History
- History, ASLAS for Transfer to UCA BS in History

Psychology

- Psychology, ASLAS for Transfer to UCA BS in Psychology

Sociology

- Sociology, ASLAS for Transfer to UCA BA in Sociology
- Sociology, ASLAS for Transfer to UCA BS in Sociology

Social Work

- Social Work, ASLAS for Transfer to UALR BSW

STEM

Biology

- Biology, AS-STEM for Transfer to SAU at NPC BS in Biology, Pre-Health Option

Chemistry

- Chemistry, AS-STEM for Transfer to SAU BS in Chemistry, Medical Laboratory Science Option
- Chemistry, AS-STEM for Transfer to SAU at NPC BS in Chemistry, Pre-Health Professional-Biochemistry Option

Computer Science

- Computer Science, AS-STEM for Transfer to SAU BS in Computer Science - Computer Gaming & Animation Design
- Computer Networking, AAS
- Computer Networking, AAS for Transfer to UAFS BAS (Emphasis - Management & Leadership)
- Computer Networking, TC
- Computer Science, AS-STEM for Transfer to SAU at NPC BS in Computer Science (General)
- Computer Science, AS-STEM for Transfer to SAU BS in Computer Science - Cyber Security & Privacy

Engineering

- Pre-Engineering, AS-STEM for transfer to SAU BS in Engineering-Physics Chemical Engineering Option
- Pre-Engineering, AS-STEM for transfer to SAU BS in Engineering
- Pre-Engineering, AS-STEM for Transfer to ATU BS in Mechanical Engineering
- Pre-Engineering, AS-STEM for Transfer to UA BS in Mechanical Engineering
- Pre-Engineering, AS-STEM for transfer to SAU BS in Engineering-Physics Mechanical Engineering Option

Programs of Study and Degree Plans

Associate of Arts

The Associate of Arts Degree (A.A.) gives students who plan to transfer to a four-year college or university the opportunity to complete the first two years of coursework leading to a baccalaureate degree.

According to the Arkansas Department of Higher Education (ADHE), Associate of Arts degree graduates may be required to complete additional lower-division courses.

The Associate of Arts degree may be completed in several ways: Traditional Plan, Fully Online, Evenings, or 18-Month Accelerated Evening Plan.

General Education Core - 41 Credit Hours

- ORT 1000 - Student LMS Training **0 Credits**
- ORT 1100 - NPC Orientation **0 Credits**

ENGLISH/COMMUNICATION - 9 CREDIT HOURS

- ENG 1113 - English Composition I* **3 Credits**
- ENG 1123 - English Composition II* **3 Credits**
- SPCH 1103 - Fundamentals of Public Speaking* **3 Credits**

MATHEMATICS - 3 CREDIT HOURS

Select one of the following courses based on written verification from the University program to which you plan to transfer:

- MATH 1123 - College Algebra* **3 Credits**
- MATH 1213 - Quantitative Literacy* **3 Credits**

LAB SCIENCES - 8 CREDIT HOURS

Select one of the following courses:

- BIOL 1114 - General Biology* **4 Credits**
- BIOL 2224 - Anatomy & Physiology I* **4 Credits**

Select one of the following courses:

- PHYS 1114 - Physical Science* **4 Credits**
- CHEM 1104 - Chemistry For Non-Majors* **4 Credits**
- CHEM 1204 - General Chemistry I* **4 Credits**
- ESCI 1104 - Earth Science* **4 Credits**
- GEOL 1104 - Physical Geology* **4 Credits**
- PHYS 1124 - Astronomy* **4 Credits**

FINE ARTS - 3 CREDIT HOURS

Select one of the following courses:

- ART 1593 - Art Appreciation* **3 Credits**
- ENG 2393 - Creative Writing* **3 Credits**
- MUS 1213 - Music Appreciation* **3 Credits**

- PHIL 1123 - Introduction To Philosophy* **3 Credits**

HUMANITIES - 3 CREDIT HOURS

Select one of the following courses:

- ENG 2223 - American Literature I* **3 Credits**
- ENG 2233 - American Literature II* **3 Credits**
- ENG 2273 - World Literature I* **3 Credits**
- ENG 2283 - World Literature II* **3 Credits**

HISTORY/GOVERNMENT - 6 CREDIT HOURS

Select one of the following courses:

- HIST 2223 - United States History To 1865* **3 Credits**
 - HIST 2233 - United States History Since 1865* **3 Credits**
 - POLS 1113 - American National Government* **3 Credits**
- Select one of the following courses:*
- HIST 2253 - World Civilization To 1500* **3 Credits**
 - HIST 2263 - World Civilization Since 1500* **3 Credits**

General Education Courses continued

SOCIAL SCIENCES - 9 CREDIT HOURS

Select three courses not previously chosen:

- ANTH 1113 - General Anthropology* **3 Credits**
- ECON 2203 - Macroeconomics* **3 Credits**
- ECON 2213 - Microeconomics* **3 Credits**
- HIST 2223 - United States History To 1865* **3 Credits**
- HIST 2233 - United States History Since 1865* **3 Credits**
- HIST 2253 - World Civilization To 1500* **3 Credits**
- HIST 2263 - World Civilization Since 1500* **3 Credits**
- POLS 1113 - American National Government* **3 Credits**
- POLS 1123 - American State And Local Government* **3 Credits**
- PSYC 1103 - General Psychology* **3 Credits**
- SOC 1103 - Introduction To Sociology* **3 Credits**
- SOC 2203 - Social Problems* **3 Credits**

NPC Requirements - 13-14 Credit Hours

- ORT 1202 - College Seminar **2 Credits**
- Select one of the following courses:*
- CIS 1023 - Introduction to Computing* **3 Credits**
 - CIS 1013 - Information Systems **3 Credits**

PHYSICAL EDUCATION - 2-3 CREDIT HOURS

(A minimum of 2 credit hours required)

Select two 1 credit PE courses

or select one of the following courses:

- PE 1102 - Life Fitness Concepts **2 Credits**
- PE 1113 - Health And Safety* **3 Credits**

FOREIGN LANGUAGE - 6 CREDIT HOURS

Select two of the following courses:

- SPAN 1103 - Beginning Spanish I* **3 Credits**
- SPAN 1113 - Beginning Spanish II* **3 Credits**
- SPAN 2113 - Intermediate Spanish I* **3 Credits**
- SPAN 2123 - Intermediate Spanish II* **3 Credits**
- FREN 1103 - Beginning French I* **3 Credits**
- FREN 1113 - Beginning French II* **3 Credits**

Electives - 5-6 Credit Hours

AA electives include any college-level course selected from any discipline area, including career and technical areas.

If you selected a **two credit hour PE option**, choose courses to equal **six** credit hours.

- Two three-hour AA electives
- One four-hour AA elective and a two-hour AA elective

If you selected the **three credit hour PE option**, choose courses to equal **five** credit hours.

- One three-hour AA elective and a two-hour AA elective
- One four-hour AA elective and a one-hour AA elective

60 Credit Hours Total

See your NPC advisor for degree and graduation information

Accounting

Accounting Technician, TC

NPC Business Division Graduation Requirement

A cumulative average of C (2.0) is required for graduation for all NPC programs. In addition, in order to graduate with any Business Division degree or certificate, all Business Division courses must be passed with a grade of "C" or better.

General Education Core - 9 Credit Hours

- ORT 1000 - Student LMS Training **0 Credits**
- ORT 1100 - NPC Orientation **0 Credits**

ENGLISH/COMMUNICATION - 6 CREDIT HOURS

- ENG 1113 - English Composition I* **3 Credits**
- ENG 1123 - English Composition II* **3 Credits**

MATHEMATICS - 3 CREDIT HOURS

Select one of the following courses:

- MATH 1123 - College Algebra* **3 Credits**
- MATH 1213 - Quantitative Literacy* **3 Credits**

Accounting Core - 21 Credit Hours

- ACT 1013 - Payroll Accounting **3 Credits**
- ACT 1103 - Principles Of Accounting I** **3 Credits**
- ACT 1113 - Principles Of Accounting II** **3 Credits**
- ACT 1203 - Computerized Accounting **3 Credits**
- BUS 1133 - Introduction To Income Taxes **3 Credits**
- CIS 1013 - Information Systems **3 Credits**

- CIS 1173 - Spreadsheets I **3 Credits**

30 Minimum Credit Hours Total

See your NPC Academic or Faculty Advisor for degree and graduation information

Business Management (Accounting), AAS

NPC Business Division Graduation Requirement

A cumulative average of C (2.0) is required for graduation for all NPC programs. In addition, in order to graduate with any Business Division degree or certificate, all Business Division courses must be passed with a grade of "C" or better.

General Education Core - 15 Credit Hours

- ORT 1000 - Student LMS Training **0 Credits**
- ORT 1100 - NPC Orientation **0 Credits**
- ENG 1113 - English Composition I* **3 Credits**
- ENG 1123 - English Composition II* **3 Credits**
- CIS 1013 - Information Systems **3 Credits**
- PSYC 1103 - General Psychology* **3 Credits**
- *Select one of the following courses:*
- MATH 1123 - College Algebra* **3 Credits**
- MATH 1213 - Quantitative Literacy* **3 Credits**

Major Specific Courses - 45 Credit Hours

- ACT 1003 - Basic Accounting **3 Credits**
- ACT 1103 - Principles Of Accounting I** **3 Credits**
- ACT 1113 - Principles Of Accounting II** **3 Credits**
- ACT 1013 - Payroll Accounting **3 Credits**
- ACT 1203 - Computerized Accounting **3 Credits**
- ACT 2003 - Cost Accounting **3 Credits**
- BUS 1011 - Career Strategies **1 Credits**
- BUS 1113 - Introduction To Business** **3 Credits**
- BUS 1133 - Introduction To Income Taxes **3 Credits**
- BUS 1143 - Introduction To Marketing** **3 Credits**
- BUS 2033 - Business Communications** **3 Credits**
- BUS 2203 - Business Law** **3 Credits**
- CIS 1173 - Spreadsheets I **3 Credits**
- ECON 2213 - Microeconomics* **3 Credits**
- SUPM 1123 - Introduction To Supervision **3 Credits**
- ORT 1202 - College Seminar **2 Credits**

60 Minimum Credit Hours Total

Purpose of AAS Degree

The Associate of Applied Science Degree is designed for employment purposes, and it should not be assumed that the degree or the courses in the degree can be transferred to another institution. While

some institutions do accept some courses in AAS Programs, the general rule is that courses in AAS. Degrees are not accepted in transfer toward bachelor's degrees. Students to whom transfer is important should get assurances in writing in advance from the institution to which they wish to transfer.

Business Management (Accounting), AAS for Transfer to UAFS BAS (Emphasis - Management & Leadership)

About This Degree

National Park College (NPC) students who have completed an Associate of Applied Science (AAS)* degree may transfer into the Bachelor of Applied Science (BAS) degree program at the University of Arkansas at Ft. Smith (UAFS). This degree provides students with the skills and knowledge necessary to either assume management and leadership roles in business and industry or to enhance current employment. **The BAS degree is not specific to any NPC program area or concentration.**

This degree requires a total of 120 semester credit hours, including at least 40 upper-level credit hours completed at UAFS. NPC students may transfer 75 hours of lower-level courses to UAFS.

Start Here / Finish Online

NPC Mentor: Jennifer Lyons (Jennifer.Lyons@np.edu) 501.760.4256

Prerequisite courses and/or developmental courses may need to be taken in addition to this suggested plan of study.

NPU Transfer Resources: • Transfer 101 • Transfer Checklists • Transfer FAQ

NPC-to-UAFS Pre-Graduation Transfer Degree Checklist

NPC-to-UAFS Post-Graduation Transfer Degree Checklist

UAFS Admissions Requirements

Students must have a 2.0 (on a 4.0 scale) cumulative GPA on all previous coursework to be eligible for admission to UAFS.

*The curriculum prepares you for licensure/certification in Arkansas.

General Education Core - 15 Credit Hours

- ORT 1000 - Student LMS Training **0 Credits**
- ORT 1100 - NPC Orientation **0 Credits**

- ENG 1113 - English Composition I* **3 Credits**
- ENG 1123 - English Composition II* **3 Credits**
- CIS 1013 - Information Systems **3 Credits**
- PSYC 1103 - General Psychology* **3 Credits**
- Select one of the following courses:*
- MATH 1123 - College Algebra* **3 Credits**
- MATH 1213 - Quantitative Literacy* **3 Credits**

Major Specific Courses - 45 Credit Hours

- ACT 1003 - Basic Accounting **3 Credits**
- ACT 1103 - Principles Of Accounting I** **3 Credits**
- ACT 1113 - Principles Of Accounting II** **3 Credits**
- ACT 1013 - Payroll Accounting **3 Credits**
- ACT 1203 - Computerized Accounting **3 Credits**
- ACT 2003 - Cost Accounting **3 Credits**

- BUS 1011 - Career Strategies **1 Credits**
- BUS 1113 - Introduction To Business** **3 Credits**
- BUS 1133 - Introduction To Income Taxes **3 Credits**
- BUS 1143 - Introduction To Marketing** **3 Credits**
- BUS 2033 - Business Communications** **3 Credits**
- BUS 2203 - Business Law** **3 Credits**
- CIS 1173 - Spreadsheets I **3 Credits**
- ECON 2213 - Microeconomics* **3 Credits**
- SUPM 1123 - Introduction To Supervision **3 Credits**
- ORT 1202 - College Seminar **2 Credits**

60 Total Program Hours

* Denotes NPC courses included in the Arkansas Course Transfer System (ACTS)

Additional Hours

Contact your Academic Advisor for assistance

UAFS recognizes 49 NPC credit hours from this Associate of Applied Science degree.

UAFS will also accept 26 additional hours from courses listed below taken at NPC for a maximum of 75 transferable hours. These courses may also be taken at UAFS (campus or online, if available).

8 hours Lab Sciences

If you choose to take a Lab Science class online, please note:

- NPC courses may require up to two on-campus lab meetings each semester
- UAFS course lectures are available online, but all related lab sessions meet on campus

Select two of the following courses:

- BIOL 1114 - General Biology* **4 Credits**
- BIOL 2224 - Anatomy & Physiology I* **4 Credits**
- BIOL 2244 - Microbiology* **4 Credits**
- CHEM 1104 - Chemistry For Non-Majors* **4 Credits**
- CHEM 1204 - General Chemistry I* **4 Credits**
- ESCI 1104 - Earth Science* **4 Credits**
- GEOL 1104 - Physical Geology* **4 Credits**
- PHYS 1114 - Physical Science* **4 Credits**
- PHYS 1204 - General Physics I* **4 Credits**

18 hours selected from the following courses which may be taken at NPC (campus or online if available) or at UAFS (campus or online)

MATHEMATICS - 3 CREDIT HOURS

Select one of the following courses:

- BUS 2123 - Business Statistics** **3 Credits**
- MATH 1133 - Trigonometry* **3 Credits**
- MATH 1293 - Introduction To Statistics* **3 Credits**
- BUS 2213 - Business Calculus **3 Credits**

ORAL COMMUNICATION - 3 CREDIT HOURS

- SPCH 1103 - Fundamentals of Public Speaking* **3 Credits**

FINE ARTS - 3 CREDIT HOURS

Select one of the following courses:

- ART 1593 - Art Appreciation* **3 Credits**
- MUS 1213 - Music Appreciation* **3 Credits**
- SPAN 1103 - Beginning Spanish I* **3 Credits**

Also accepted: PHIL 1123 Introduction to Philosophy

HUMANITIES - 3 CREDIT HOURS

Select one of the following courses:

- ENG 2223 - American Literature I* **3 Credits**
- ENG 2233 - American Literature II* **3 Credits**
- ENG 2273 - World Literature I* **3 Credits**
- ENG 2283 - World Literature II* **3 Credits**

Also accepted: PHIL 1123 Introduction to Philosophy

HISTORY/GOVERNMENT/SOCIAL SCIENCES - 6 CREDIT HOURS

UAFS will accept from NPC a total of nine credit hours in History/Government/Social Studies.

Option 1

You completed PSYC 1103 General Psychology, SOC 1103 Introduction to Sociology, or a World History course as part of your AAS.

Select one of the following courses:

- HIST 2223 - United States History To 1865* **3 Credits**
- HIST 2233 - United States History Since 1865* **3 Credits**
- POLS 1113 - American National Government* **3 Credits**

Select one of the following courses:

- ANTH 1113 - General Anthropology* **3 Credits**
- ECON 2203 - Macroeconomics* **3 Credits**
- ECON 2213 - Microeconomics* **3 Credits**
- HIST 2253 - World Civilization To 1500* **3 Credits**
- HIST 2263 - World Civilization Since 1500* **3 Credits**
- POLS 1123 - American State And Local Government* **3 Credits**
- SOC 2203 - Social Problems* **3 Credits**

Option 2

You completed American National Government or a US History course as part of your AAS.

Select two of the following courses:

- ANTH 1113 - General Anthropology* **3 Credits**
- ECON 2203 - Macroeconomics* **3 Credits**
- ECON 2213 - Microeconomics* **3 Credits**
- HIST 2253 - World Civilization To 1500* **3 Credits**
- HIST 2263 - World Civilization Since 1500* **3 Credits**
- POLS 1123 - American State And Local Government* **3 Credits**
- PSYC 1103 - General Psychology* **3 Credits**
- SOC 1103 - Introduction To Sociology* **3 Credits**
- SOC 2203 - Social Problems* **3 Credits**

Remaining Courses to be Completed at UAFS

Addiction Studies

Addiction Studies, ASLAS for Transfer to UCA BS in Addiction Studies

About This Degree

This curriculum is designed for persons who plan to obtain an Associate of Science in Liberal Arts and Sciences (ASLAS) degree at National Park College (NPC) and transfer to the University of Central Arkansas (UCA) to complete a Bachelor's degree.

Start Here / Finish There or Online

NPC Faculty Mentor: Susan Millerd (Susan.Millerd@np.edu) 501.760.4163

Prerequisite courses and/or developmental courses may need to be taken in addition to this suggested plan of study.

NPU Transfer Resources: • Transfer 101 • Transfer Checklists • Transfer FAQ

Students completing the Associate of Science in Liberal Arts and Sciences degree requirements, as shown above, with a minimum 2.0 cumulative GPA, will have satisfied the UCA Lower-Division Core and will be admitted to the corresponding degree program as a junior.

UCA Transfer Admission information and policies

UCA Transfer Scholarship information and policies

Addiction Studies for Transfer to UCA BS in Addiction Studies (Treatment)

Addiction Studies, ASLAS for Transfer to UCA BS in Addiction Studies

60 Total Program Hours

* Denotes NPC courses included in the Arkansas Course Transfer System (ACTS)

Anthropology

Anthropology, ASLAS for Transfer to UCA BS in Anthropology

About This Degree

This curriculum is designed for persons who plan to obtain an Associate of Science in Liberal Arts and Sciences (ASLAS) degree at National Park College (NPC) and transfer to the University of Central Arkansas (UCA) to complete a Bachelor's degree.

Start Here / Finish There

NPC Faculty Mentor: Chuck Argo (Chuck.Argo@np.edu) 501.760.4154

Prerequisite courses and/or developmental courses may need to be taken in addition to this suggested plan of study.

NPU Transfer Resources: • Transfer 101 • Transfer Checklists • Transfer FAQ

Students completing the Associate of Science in Liberal Arts and Sciences degree requirements, as shown above, with a minimum 2.0 cumulative GPA, will have satisfied the UCA Lower-Division Core and will be admitted to the corresponding degree program as a junior.

UCA Transfer Admission information and policies

UCA Transfer Scholarship information and policies

General Education Core - 27 Credit Hours

- ORT 1000 - Student LMS Training **0 Credits**
- ORT 1100 - NPC Orientation **0 Credits**

ENGLISH/COMMUNICATION - 9 CREDIT HOURS

- ENG 1113 - English Composition I* **3 Credits**
- ENG 1123 - English Composition II* **3 Credits**

- SPCH 1103 - Fundamentals of Public Speaking* **3 Credits**

MATHEMATICS - 3 CREDIT HOURS

- MATH 1123 - College Algebra* **3 Credits**

FINE ARTS/HUMANITIES - 6 CREDIT HOURS

Select one of the following courses:

- ART 1593 - Art Appreciation* **3 Credits**
- MUS 1213 - Music Appreciation* **3 Credits**

Select one of the following courses:

- ENG 2273 - World Literature I* **3 Credits**
- ENG 2283 - World Literature II* **3 Credits**
- ENG 2223 - American Literature I* **3 Credits**
- ENG 2233 - American Literature II* **3 Credits**

SOCIAL SCIENCES - 9 CREDIT HOURS

Select one of the following courses:

- HIST 2223 - United States History To 1865* **3 Credits**
- HIST 2233 - United States History Since 1865* **3 Credits**
- POLS 1113 - American National Government* **3 Credits**

Select one of the following courses:

- HIST 2253 - World Civilization To 1500* **3 Credits**
- HIST 2263 - World Civilization Since 1500* **3 Credits**

Select one of the following courses except:

- PSYC 1103 - General Psychology* **3 Credits**
- SOC 1103 - Introduction To Sociology* **3 Credits**
- ANTH 1113 - General Anthropology* **3 Credits**
- ECON 2203 - Macroeconomics* **3 Credits**
- ECON 2213 - Microeconomics* **3 Credits**
- GEOG 1103 - Introduction To Geography* **3 Credits**
- POLS 1123 - American State And Local Government* **3 Credits**
- SOC 2203 - Social Problems* **3 Credits**

General Education and Foundation Core - 33 Credit Hours

- ANTH 1113 - General Anthropology* **3 Credits**

- BIOL 1114 - General Biology* **4 Credits**

Select one of the following courses:

- CHEM 1104 - Chemistry For Non-Majors* **4 Credits**
- ESCI 1104 - Earth Science* **4 Credits**
- PHYS 1114 - Physical Science* **4 Credits**
- PHYS 1124 - Astronomy* **4 Credits**

SELECT EITHER OPTION 1 OR OPTION 2

Option 1 - Lab Science Core

Select one of the following pairs of courses:

- BIOL 2224 - Anatomy & Physiology I* **4 Credits**
- BIOL 2234 - Anatomy & Physiology II* **4 Credits**

or

- CHEM 1204 - General Chemistry I* **4 Credits**
- CHEM 2204 - General Chemistry II* **4 Credits**
- or
- PHYS 1204 - General Physics I* **4 Credits**
- PHYS 2204 - General Physics II* **4 Credits**

*Select **four** of the following courses:*

These courses have been specifically chosen for their relevance to this degree, however other courses may be chosen from the ACTS Transfer Course List.

- CRJ 1103 - Introduction To Criminal Justice* **3 Credits**
- GEOG 1103 - Introduction To Geography* **3 Credits**
- PSYC 1103 - General Psychology* **3 Credits**
- SOC 1103 - Introduction To Sociology* **3 Credits**
- MATH 1293 - Introduction To Statistics* **3 Credits**
- SOC 2113 - Cultural Diversity **3 Credits**
- SOC 2203 - Social Problems* **3 Credits**

Select from the following options:

- PE 1102 - Life Fitness Concepts **2 Credits**
- or
- MUS 1451 - National Park College Singers I **1 Credits**
- MUS 1461 - National Park College Singers II **1 Credits**
- or **Two 1-hour PE courses**
- or **MUS 1451 and One 1-hour PE course**

Option 2 - Mathematics Core

- MATH 1213 - Quantitative Literacy* **3 Credits**
- MATH 1293 - Introduction To Statistics* **3 Credits**

*Select **five** of the following courses:*

These courses have been specifically chosen for their relevance to this degree, however other courses may be chosen from the ACTS Transfer Course List.

- CRJ 1103 - Introduction To Criminal Justice* **3 Credits**
- GEOG 1103 - Introduction To Geography* **3 Credits**
- PSYC 1103 - General Psychology* **3 Credits**
- SOC 1103 - Introduction To Sociology* **3 Credits**
- SOC 2113 - Cultural Diversity **3 Credits**
- SOC 2203 - Social Problems* **3 Credits**

*Select **one** of the following courses:*

- MUS 1451 - National Park College Singers I **1 Credits**
- PE Any 1 CH - PE Course **1 Credits**

60 Total Program Hours

* Denotes NPC courses included in the Arkansas Course Transfer System (ACTS)

Remaining Courses to be Completed at UCA

Art & Graphic Design

Digital & Media Arts, AAS

General Education Core - 15 Credit Hours

- ORT 1000 - Student LMS Training **0 Credits**
- ORT 1100 - NPC Orientation **0 Credits**
- **ENGLISH/COMMUNICATION - 6 CREDIT HOURS**
- ENG 1113 - English Composition I* **3 Credits**
- ENG 1123 - English Composition II* **3 Credits**
- **COMPUTER LITERACY - 3 CREDIT HOURS**
- *Select one of the following courses:*
- CIS 1013 - Information Systems **3 Credits**
- CIS 1023 - Introduction to Computing* **3 Credits**
- **MATHEMATICS - 3 CREDIT HOURS**
- *Select one of the following courses:*
- MATH 1123 - College Algebra* **3 Credits**
- MATH 1213 - Quantitative Literacy* **3 Credits**
- **HISTORY/GOVERNMENT/SOCIAL SCIENCES - 3 CREDIT HOURS**
- *Select one of the following courses:*
- HIST 2223 - United States History To 1865* **3 Credits**
- HIST 2233 - United States History Since 1865* **3 Credits**
- POLS 1113 - American National Government* **3 Credits**
- PSYC 1103 - General Psychology* **3 Credits**
- SOC 1103 - Introduction To Sociology* **3 Credits**

Digital & Media Arts Core - 45 Credit Hours

- ART 1103 - Design I **3 Credits**
- ART 1113 - Drawing I **3 Credits**
- ART 1513 - Digital Skills **3 Credits**
- ART 1593 - Art Appreciation* **3 Credits**
- GRD 1013 - Intro to Graphic Design **3 Credits**
- GRD 1103 - Advertising Design **3 Credits**
- GRD 1203 - Publication Design **3 Credits**
- GRD 2023 - Typography And Layout **3 Credits**
- GRD 2043 - Digital Illustration **3 Credits**
- GRD 2083 - Interactive/Web Design **3 Credits**
- GRD 2313 - Motion Graphics **3 Credits**
- GRD 2396 - Digital & Media Arts Capstone **6 Credits**
- PHOT 1143 - Video Production **3 Credits**
- PHOT 2223 - Digital Photography **3 Credits**

60 Total Program Hours

* Denotes NPC courses included in the Arkansas Course Transfer System (ACTS)

Purpose of AAS Degree

The Associate of Applied Science Degree is designed for employment purposes, and it should not be assumed that the degree or the courses in the degree can be transferred to another institution. While some institutions do accept some courses in AAS Programs, the general rule is that courses in AAS Degrees are not accepted in transfer toward bachelor's degrees. Students to whom transfer is important should get assurances in writing in advance from the institution to which they wish to transfer.

Digital & Media Arts, AAS for Transfer to UAFS BAS (Emphasis - Management & Leadership)

About This Degree

National Park College (NPC) students who have completed an Associate of Applied Science (AAS)* degree may transfer into the Bachelor of Applied Science (BAS) degree program at the University of Arkansas at Ft. Smith (UAFS). This degree provides students with the skills and knowledge necessary to either assume management and leadership roles in business and industry or to enhance current employment. **The BAS degree is not specific to any NPC program area or concentration.**

This degree requires a total of 120 semester credit hours, including at least 40 upper-level credit hours completed at UAFS. NPC students may transfer 75 hours of lower-level courses to UAFS.

Start Here / Finish Online

NPC Mentor: Jennifer Lyons (Jennifer.Lyons@np.edu) 501.760.4256

Prerequisite courses and/or developmental courses may need to be taken in addition to this suggested plan of study.

NPU Transfer Resources: • Transfer 101 • Transfer Checklists • Transfer FAQ

NPC-to-UAFS Pre-Graduation Transfer Degree Checklist

NPC-to-UAFS Post-Graduation Transfer Degree Checklist

UAFS Admissions Requirements

Students must have a 2.0 (on a 4.0 scale) cumulative GPA on all previous coursework to be eligible for admission to UAFS.

*The curriculum prepares you for licensure/certification in Arkansas.

General Education Core - 15 Credit Hours

- ORT 1000 - Student LMS Training **0 Credits**
- ORT 1100 - NPC Orientation **0 Credits**

ENGLISH/COMMUNICATION - 6 CREDIT HOURS

- ENG 1113 - English Composition I* **3 Credits**
- ENG 1123 - English Composition II* **3 Credits**

COMPUTER LITERACY - 3 CREDIT HOURS

Select one of the following courses:

- CIS 1013 - Information Systems **3 Credits**
- CIS 1023 - Introduction to Computing* **3 Credits**

MATHEMATICS - 3 CREDIT HOURS

Select one of the following courses:

- MATH 1123 - College Algebra* **3 Credits**
- MATH 1213 - Quantitative Literacy* **3 Credits**

HISTORY/GOVERNMENT/SOCIAL SCIENCES - 3 CREDIT HOURS

Select one of the following courses:

- HIST 2223 - United States History To 1865* **3 Credits**

- HIST 2233 - United States History Since 1865* **3 Credits**
- POLS 1113 - American National Government* **3 Credits**
- PSYC 1103 - General Psychology* **3 Credits**
- SOC 1103 - Introduction To Sociology* **3 Credits**

Digital & Media Arts Core - 45 Credit Hours

- ART 1103 - Design I **3 Credits**
- ART 1113 - Drawing I **3 Credits**
- ART 1513 - Digital Skills **3 Credits**
- ART 1593 - Art Appreciation* **3 Credits**
- GRD 1013 - Intro to Graphic Design **3 Credits**
- GRD 1103 - Advertising Design **3 Credits**
- GRD 1203 - Publication Design **3 Credits**
- GRD 2023 - Typography And Layout **3 Credits**
- GRD 2043 - Digital Illustration **3 Credits**
- GRD 2083 - Interactive/Web Design **3 Credits**
- GRD 2313 - Motion Graphics **3 Credits**
- GRD 2396 - Digital & Media Arts Capstone **6 Credits**
- PHOT 1143 - Video Production **3 Credits**
- PHOT 2223 - Digital Photography **3 Credits**

60 Total Program Hours

* Denotes NPC courses included in the Arkansas Course Transfer System (ACTS)

Additional Hours

Contact your Academic Advisor for assistance

UAFS recognizes 49 NPC credit hours from this Associate of Applied Science degree.

UAFS will also accept 26 additional hours from courses listed below taken at NPC for a maximum of 75 transferable hours. These courses may also be taken at UAFS (campus or online, if available).

8 hours Lab Sciences

If you choose to take a Lab Science class online, please note:

- NPC courses may require up to two on-campus lab meetings each semester
- UAFS course lectures are available online, but all related lab sessions meet on campus

Select two of the following courses:

- BIOL 1114 - General Biology* **4 Credits**
- BIOL 2224 - Anatomy & Physiology I* **4 Credits**
- BIOL 2244 - Microbiology* **4 Credits**
- CHEM 1104 - Chemistry For Non-Majors* **4 Credits**
- CHEM 1204 - General Chemistry I* **4 Credits**
- ESCI 1104 - Earth Science* **4 Credits**
- GEOL 1104 - Physical Geology* **4 Credits**
- PHYS 1114 - Physical Science* **4 Credits**
- PHYS 1204 - General Physics I* **4 Credits**

18 hours selected from the following courses which may be taken at NPC (campus or online if available) or at UAFS (campus or online)

MATHEMATICS - 3 CREDIT HOURS

Select one of the following courses:

- BUS 2123 - Business Statistics** **3 Credits**
- MATH 1133 - Trigonometry* **3 Credits**
- MATH 1293 - Introduction To Statistics* **3 Credits**
- BUS 2213 - Business Calculus **3 Credits**

ORAL COMMUNICATION - 3 CREDIT HOURS

- SPCH 1103 - Fundamentals of Public Speaking* **3 Credits**

FINE ARTS - 3 CREDIT HOURS

Select one of the following courses:

- ART 1593 - Art Appreciation* **3 Credits**
- MUS 1213 - Music Appreciation* **3 Credits**
- SPAN 1103 - Beginning Spanish I* **3 Credits**

Also accepted: PHIL 1123 Introduction to Philosophy

HUMANITIES - 3 CREDIT HOURS

Select one of the following courses:

- ENG 2223 - American Literature I* **3 Credits**
- ENG 2233 - American Literature II* **3 Credits**
- ENG 2273 - World Literature I* **3 Credits**
- ENG 2283 - World Literature II* **3 Credits**

Also accepted: PHIL 1123 Introduction to Philosophy

HISTORY/GOVERNMENT/SOCIAL SCIENCES - 6 CREDIT HOURS

UAFS will accept from NPC a total of nine credit hours in History/Government/Social Studies.

Option 1

You completed PSYC 1103 General Psychology, SOC 1103 Introduction to Sociology, or a World History course as part of your AAS.

Select one of the following courses:

- HIST 2223 - United States History To 1865* **3 Credits**
- HIST 2233 - United States History Since 1865* **3 Credits**
- POLS 1113 - American National Government* **3 Credits**

Select one of the following courses:

- ANTH 1113 - General Anthropology* **3 Credits**
- ECON 2203 - Macroeconomics* **3 Credits**
- ECON 2213 - Microeconomics* **3 Credits**
- HIST 2253 - World Civilization To 1500* **3 Credits**
- HIST 2263 - World Civilization Since 1500* **3 Credits**
- POLS 1123 - American State And Local Government* **3 Credits**
- SOC 2203 - Social Problems* **3 Credits**

Option 2

You completed American National Government or a US History course as part of your AAS.

Select two of the following courses:

- ANTH 1113 - General Anthropology* **3 Credits**
- ECON 2203 - Macroeconomics* **3 Credits**
- ECON 2213 - Microeconomics* **3 Credits**

- HIST 2253 - World Civilization To 1500* **3 Credits**
- HIST 2263 - World Civilization Since 1500* **3 Credits**
- POLS 1123 - American State And Local Government* **3 Credits**
- PSYC 1103 - General Psychology* **3 Credits**
- SOC 1103 - Introduction To Sociology* **3 Credits**
- SOC 2203 - Social Problems* **3 Credits**

Remaining Courses to be Completed at UAFS

Digital & Media Arts, CP

Certificates of Proficiency under 16 hours are not eligible for Financial Aid. See a Financial Aid representative for more information.

Core Courses - 9 Credit Hours Total

- ORT 1000 - Student LMS Training **0 Credits**
- ORT 1100 - NPC Orientation **0 Credits**
- ART 1513 - Digital Skills **3 Credits**
- GRD 1013 - Intro to Graphic Design **3 Credits**
- GRD 2023 - Typography And Layout **3 Credits**
- PHOT 2223 - Digital Photography **3 Credits**

12 Credit Hours Total

See your NPC Academic or Faculty Advisor for degree and graduation information.

Digital & Media Arts, TC

Digital & Media Arts is an interdisciplinary area of study combining art, video, and design. Digital media specialists prepare for careers in graphic design, advertising, print media, digital photography, animation, digital character development, digital video, special effects, interactive media, and web site development.

General Education Core - 12 Credit Hours

- ORT 1000 - Student LMS Training **0 Credits**
- ORT 1100 - NPC Orientation **0 Credits**

ENGLISH/COMMUNICATION - 6 CREDIT HOURS

- ENG 1113 - English Composition I* **3 Credits**
- ENG 1123 - English Composition II* **3 Credits**

MATHEMATICS - 3 CREDIT HOURS

Select one of the following courses:

- MATH 1123 - College Algebra* **3 Credits**
- MATH 1213 - Quantitative Literacy* **3 Credits**

COMPUTER LITERACY - 3 CREDIT HOURS

Select one of the following courses:

- CIS 1013 - Information Systems **3 Credits**

- CIS 1023 - Introduction to Computing* **3 Credits**

Digital & Media Arts Core - 18 Credit Hours

- ART 1103 - Design I **3 Credits**
- ART 1113 - Drawing I **3 Credits**
- ART 1513 - Digital Skills **3 Credits**
- GRD 1013 - Intro to Graphic Design **3 Credits**
- GRD 2023 - Typography And Layout **3 Credits**
- PHOT 2223 - Digital Photography **3 Credits**

30 Total Program Hours

See your NPC Academic Advisor or Faculty Mentor for degree and graduation information.

Graphic Design, ASLAS for Transfer to HSU BFA in Graphic Design

About This Degree

This curriculum* is designed for persons who plan to obtain an Associate of Science in Liberal Arts and Sciences (ASLAS) degree at National Park College (NPC) and transfer to the Henderson State University (HSU) to complete a Bachelor's degree.

*The curriculum prepares you for licensure/certification in Arkansas.

Start Here / Finish There

NPC Faculty Mentor: Lana Taliaferro (Lana.Taliaferro@np.edu) 501.760.4189

Prerequisite courses and/or developmental courses may need to be taken in addition to this suggested plan of study.

NPU Transfer Resources: • Transfer 101 • Transfer Checklists • Transfer FAQ

HSU Transfer Admission information and policies

Additional HSU admittance requirements for this program:

- The student must complete the requirements necessary for general admission to HSU
- The student will have earned the Associate of Science in Liberal Arts and Sciences at NPC, with at least a 2.75 cumulative grade point average
- Degree program admission requirements will be determined in the same manner as if initial enrollment had been at HSU

HSU Transfer Scholarship information and policies

General Education Core - 36 Transferable Hours

- ORT 1000 - Student LMS Training **0 Credits**
- ORT 1100 - NPC Orientation **0 Credits**
- **ENGLISH/COMMUNICATION - 9 CREDIT HOURS**
- ENG 1113 - English Composition I* **3 Credits**
- ENG 1123 - English Composition II* **3 Credits**
- SPCH 1103 - Fundamentals of Public Speaking* **3 Credits**

MATHEMATICS - 3 CREDIT HOURS

Select one of the following courses:

- MATH 1123 - College Algebra* **3 Credits**
- MATH 1213 - Quantitative Literacy* **3 Credits**

FINE ARTS/HUMANITIES - 6 CREDIT HOURS

- ART 1593 - Art Appreciation* **3 Credits**

Select one of the following courses:

- ENG 2273 - World Literature I* **3 Credits**
- ENG 2283 - World Literature II* **3 Credits**

SOCIAL SCIENCES - 9 CREDIT HOURS

Select one of the following courses:

- HIST 2253 - World Civilization To 1500* **3 Credits**
- HIST 2263 - World Civilization Since 1500* **3 Credits**

Select one of the following courses:

- POLS 1113 - American National Government* **3 Credits**
- HIST 2223 - United States History To 1865* **3 Credits**
- HIST 2233 - United States History Since 1865* **3 Credits**

Select one of the following courses:

- PSYC 1103 - General Psychology* **3 Credits**
- ECON 2203 - Macroeconomics* **3 Credits**
- ECON 2213 - Microeconomics* **3 Credits**
- GEOG 1103 - Introduction To Geography* **3 Credits**
- SOC 1103 - Introduction To Sociology* **3 Credits**

LAB SCIENCES - 8 CREDIT HOURS

- BIOL 1114 - General Biology* **4 Credits**
- Select one of the following courses:*
- CHEM 1104 - Chemistry For Non-Majors* **4 Credits**
 - CHEM 1204 - General Chemistry I* **4 Credits**
 - PHYS 1114 - Physical Science* **4 Credits**
 - PHYS 1124 - Astronomy* **4 Credits**

PHYSICAL WELL-BEING - 1 CREDIT HOUR

Select any one-hour PE course:

- PE Any 1 CH - PE Course **1 Credits**

Art Courses - 24 Transferable Credit Hours

- ART 1103 - Design I **3 Credits**
- ART 1113 - Drawing I **3 Credits**
- ART 1513 - Digital Skills **3 Credits**
- ART 2113 - Drawing II **3 Credits**
- ART 2143 - Painting I **3 Credits**
- ART 2513 - 3-D Design **3 Credits**
- ART 1003 - Ceramics I **3 Credits**
- ART 2243 - Sculpture I **3 Credits**

60 Total Program Hours

* Denotes NPC courses included in the Arkansas Course Transfer System (ACTS)

Remaining Courses to be Completed at HSU

Studio Art, ASLAS for Transfer to HSU BFA in Studio Art

About This Degree

This curriculum* is designed for persons who plan to obtain an Associate of Science in Liberal Arts and Sciences (ASLAS) degree at National Park College (NPC) and transfer to the Henderson State University (HSU) to complete a Bachelor's degree.

*The curriculum prepares you for licensure/certification in Arkansas.

Start Here / Finish There

NPC Faculty Mentor: Lana Taliaferro (Lana.Taliaferro@np.edu) 501.760.4189

Prerequisite courses and/or developmental courses may need to be taken in addition to this suggested plan of study.

NPU Transfer Resources: • Transfer 101 • Transfer Checklists • Transfer FAQ

HSU Transfer Admission information and policies

Additional HSU admittance requirements for this program:

- The student must complete the requirements necessary for general admission to HSU
- The student will have earned the Associate of Science in Liberal Arts and Sciences at NPC, with at least a 2.75 cumulative grade point average
- Degree program admission requirements will be determined in the same manner as if initial enrollment had been at HSU

HSU Transfer Scholarship information and policies

General Education Core - 36 Transferable Hours

- ORT 1000 - Student LMS Training **0 Credits**
- ORT 1100 - NPC Orientation **0 Credits**
- ENGLISH/COMMUNICATION - 9 CREDIT HOURS**
- ENG 1113 - English Composition I* **3 Credits**
- ENG 1123 - English Composition II* **3 Credits**
- SPCH 1103 - Fundamentals of Public Speaking* **3 Credits**

MATHEMATICS - 3 CREDIT HOURS

Select one of the following courses:

- MATH 1123 - College Algebra* **3 Credits**
- MATH 1213 - Quantitative Literacy* **3 Credits**

FINE ARTS/HUMANITIES - 6 CREDIT HOURS

- ART 1593 - Art Appreciation* **3 Credits**
- Select one of the following courses:*
- ENG 2273 - World Literature I* **3 Credits**
- ENG 2283 - World Literature II* **3 Credits**

SOCIAL SCIENCES - 9 CREDIT HOURS

Select one of the following courses:

- HIST 2253 - World Civilization To 1500* **3 Credits**
- HIST 2263 - World Civilization Since 1500* **3 Credits**
- Select one of the following courses:*
- POLS 1113 - American National Government* **3 Credits**
- HIST 2223 - United States History To 1865* **3 Credits**
- HIST 2233 - United States History Since 1865* **3 Credits**

Select one of the following courses:

- PSYC 1103 - General Psychology* **3 Credits**

- ECON 2203 - Macroeconomics* **3 Credits**
- ECON 2213 - Microeconomics* **3 Credits**
- GEOG 1103 - Introduction To Geography* **3 Credits**
- SOC 1103 - Introduction To Sociology* **3 Credits**

LAB SCIENCES - 8 CREDIT HOURS

- BIOL 1114 - General Biology* **4 Credits**
Select one of the following courses:
- CHEM 1104 - Chemistry For Non-Majors* **4 Credits**
- CHEM 1204 - General Chemistry I* **4 Credits**
- PHYS 1114 - Physical Science* **4 Credits**
- PHYS 1124 - Astronomy* **4 Credits**

PHYSICAL WELL-BEING - 1 CREDIT HOUR

Select any one-hour PE course:

- PE Any 1 CH - PE Course **1 Credits**

Art Courses - 24 Transferable Credit Hours

- ART 1003 - Ceramics I **3 Credits**
- ART 1103 - Design I **3 Credits**
- ART 1113 - Drawing I **3 Credits**
- ART 1513 - Digital Skills **3 Credits**
- ART 2113 - Drawing II **3 Credits**
- ART 2143 - Painting I **3 Credits**
- ART 2243 - Sculpture I **3 Credits**
- ART 2513 - 3-D Design **3 Credits**

60 Total Program Hours

* Denotes NPC courses included in the Arkansas Course Transfer System (ACTS)

Remaining Courses to be Completed at HSU

Automotive

Automotive Brake Specialist, CP

College Required Courses

Required for all new NPC students

- ORT 1000 - Student LMS Training **0 Credits**
- ORT 1100 - NPC Orientation **0 Credits**

Technical Core - 9 Credit Hours Total

- AST 1203 - Brakes **3 Credits**
- AST 1106 - Automotive Lab I **6 Credits**

9 Credit Hours Total

See your NPC Academic or Faculty Advisor for degree and graduation information

Automotive Engine Performance Specialist, CP

College Required Courses

Required for all new NPC students

- ORT 1000 - Student LMS Training **0 Credits**
- ORT 1100 - NPC Orientation **0 Credits**

Technical Core - 9 Credit Hours Total

- AST 1313 - Fuel Systems **3 Credits**
- AST 1323 - Automotive Electrical **3 Credits**
- AST 2103 - Ignition & Emission Systems **3 Credits**

9 Credit Hours Total

Automotive Front End Specialist, CP

College Required Courses

Required for all new NPC students

- ORT 1000 - Student LMS Training **0 Credits**
- ORT 1100 - NPC Orientation **0 Credits**

Technical Core - 9 Credit Hours Total

- AST 1503 - Suspension and Steering **3 Credits**
- AST 1206 - Automotive Lab II **6 Credits**

9 Credit Hours Total

See your NPC Academic or Faculty Advisor for degree and graduation information

Automotive Service Technology, AAS

General Education Core - 15 Credit Hours

- ORT 1000 - Student LMS Training **0 Credits**
- ORT 1100 - NPC Orientation **0 Credits**
- **ENGLISH - 6 CREDIT HOURS**
- ENG 1113 - English Composition I* **3 Credits**
Select one of the following courses:
- ENG 1123 - English Composition II* **3 Credits**
- ENG 1133 - Technical Report Writing* **3 Credits**
- **COMPUTER LITERACY - 3 CREDIT HOUR**

Select one of the following courses:

- CIS 1023 - Introduction to Computing* **3 Credits**
- CIS 1013 - Information Systems **3 Credits**

MATHEMATICS - 3 CREDIT HOURS

Select one of the following courses:

- MATH 1123 - College Algebra* **3 Credits**
- MATH 1213 - Quantitative Literacy* **3 Credits**

SOCIAL SCIENCES - 3 CREDIT HOURS

Select one of the following courses:

- HIST 2223 - United States History To 1865* **3 Credits**
- HIST 2233 - United States History Since 1865* **3 Credits**
- POLS 1113 - American National Government* **3 Credits**
- POLS 1123 - American State And Local Government* **3 Credits**

Automotive Core - 51-54 Credit Hours

- AST 1223 - Automotive Maintenance **3 Credits**
- AST 1213 - Basic Electrical **3 Credits**
- AST 1603 - Engine Repair **3 Credits**
- AST 1203 - Brakes **3 Credits**
- AST 1106 - Automotive Lab I **6 Credits**
- AST 1803 - Engine Performance Fundamentals **3 Credits**
- AST 1323 - Automotive Electrical **3 Credits**
- AST 1503 - Suspension and Steering **3 Credits**
- AST 1903 - Automotive AC/Heat **3 Credits**
- AST 1206 - Automotive Lab II **6 Credits**
- AST 1313 - Fuel Systems **3 Credits**
- AST 1343 - Manual Transmissions **3 Credits**
- AST 1363 - Automatic Transmissions **3 Credits**
- AST 2103 - Ignition & Emission Systems **3 Credits**

Select one of the following courses:

- AST 1306 - Automotive Lab III **6 Credits**
- AST 2113 - Automotive Internship **3 Credits**

66 - 69 Credit Hours Total

Purpose of AAS Degree

The Associate of Applied Science Degree is designed for employment purposes, and it should not be assumed that the degree or the courses in the degree can be transferred to another institution. While some institutions do accept some courses in AAS Programs, the general rule is that courses in AAS Degrees are not accepted in transfer toward bachelor's degrees. Students to whom transfer is important should get assurances in writing in advance from the institution to which they wish to transfer.

Automotive Service Technology, AAS for Transfer to UAFS BAS (Emphasis - Management & Leadership)

About This Degree

National Park College (NPC) students who have completed an Associate of Applied Science (AAS)* degree may transfer into the Bachelor of Applied Science (BAS) degree program at the University of Arkansas at Ft. Smith (UAFS). This degree provides students with the skills and knowledge necessary to either assume management and leadership roles in business and industry or to enhance current employment. **The BAS degree is not specific to any NPC program area or concentration.**

This degree requires a total of 120 semester credit hours, including at least 40 upper-level credit hours completed at UAFS. NPC students may transfer 75 hours of lower-level courses to UAFS.

Start Here / Finish Online

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Prerequisite courses and/or developmental courses may need to be taken in addition to this suggested plan of study.

NPU Transfer Resources: • Transfer 101 • Transfer Checklists • Transfer FAQ

NPC-to-UAFS Pre-Graduation Transfer Degree Checklist

NPC-to-UAFS Post-Graduation Transfer Degree Checklist

UAFS Admissions Requirements

Students must have a 2.0 (on a 4.0 scale) cumulative GPA on all previous coursework to be eligible for admission to UAFS.

*The curriculum prepares you for licensure/certification in Arkansas.

General Education Core - 15 Credit Hours

- ORT 1000 - Student LMS Training **0 Credits**
- ORT 1100 - NPC Orientation **0 Credits**
- ENGLISH - 6 CREDIT HOURS**
- ENG 1113 - English Composition I* **3 Credits**
Select one of the following courses:
- ENG 1123 - English Composition II* **3 Credits**
- ENG 1133 - Technical Report Writing* **3 Credits**
- COMPUTER LITERACY - 3 CREDIT HOUR**
Select one of the following courses:
- CIS 1023 - Introduction to Computing* **3 Credits**
- CIS 1013 - Information Systems **3 Credits**
- MATHEMATICS - 3 CREDIT HOURS**
Select one of the following courses:
- MATH 1123 - College Algebra* **3 Credits**
- MATH 1213 - Quantitative Literacy* **3 Credits**
- SOCIAL SCIENCES - 3 CREDIT HOURS**
Select one of the following courses:
- HIST 2223 - United States History To 1865* **3 Credits**
- HIST 2233 - United States History Since 1865* **3 Credits**
- POLS 1113 - American National Government* **3 Credits**
- POLS 1123 - American State And Local Government* **3 Credits**

Automotive Core - 51-54 Credit Hours

- AST 1223 - Automotive Maintenance **3 Credits**
- AST 1213 - Basic Electrical **3 Credits**
- AST 1603 - Engine Repair **3 Credits**
- AST 1203 - Brakes **3 Credits**
- AST 1106 - Automotive Lab I **6 Credits**
- AST 1803 - Engine Performance Fundamentals **3 Credits**
- AST 1323 - Automotive Electrical **3 Credits**
- AST 1503 - Suspension and Steering **3 Credits**
- AST 1903 - Automotive AC/Heat **3 Credits**
- AST 1206 - Automotive Lab II **6 Credits**
- AST 1313 - Fuel Systems **3 Credits**
- AST 1343 - Manual Transmissions **3 Credits**
- AST 1363 - Automatic Transmissions **3 Credits**
- AST 2103 - Ignition & Emission Systems **3 Credits**

Select one of the following courses:

- AST 1306 - Automotive Lab III **6 Credits**
- AST 2113 - Automotive Internship **3 Credits**

60 Total Program Hours

* Denotes NPC courses included in the Arkansas Course Transfer System (ACTS)

Additional Hours

Contact your Academic Advisor for assistance

UAFS recognizes 49 NPC credit hours from this Associate of Applied Science degree.

UAFS will also accept 26 additional hours from courses listed below taken at NPC for a maximum of 75 transferable hours. These courses may also be taken at UAFS (campus or online, if available).

8 hours Lab Sciences

If you choose to take a Lab Science class online, please note:

- NPC courses may require up to two on-campus lab meetings each semester
- UAFS course lectures are available online, but all related lab sessions meet on campus

Select two of the following courses:

- BIOL 1114 - General Biology* **4 Credits**
- BIOL 2224 - Anatomy & Physiology I* **4 Credits**
- BIOL 2244 - Microbiology* **4 Credits**
- CHEM 1104 - Chemistry For Non-Majors* **4 Credits**
- CHEM 1204 - General Chemistry I* **4 Credits**
- ESCI 1104 - Earth Science* **4 Credits**
- GEOL 1104 - Physical Geology* **4 Credits**
- PHYS 1114 - Physical Science* **4 Credits**
- PHYS 1204 - General Physics I* **4 Credits**

18 hours selected from the following courses which may be taken at NPC (campus or online if available) or at UAFS (campus or online)

MATHEMATICS - 3 CREDIT HOURS

Select one of the following courses:

- BUS 2123 - Business Statistics** **3 Credits**

- MATH 1133 - Trigonometry* **3 Credits**
- MATH 1293 - Introduction To Statistics* **3 Credits**
- BUS 2213 - Business Calculus **3 Credits**

ORAL COMMUNICATION - 3 CREDIT HOURS

- SPCH 1103 - Fundamentals of Public Speaking* **3 Credits**

FINE ARTS - 3 CREDIT HOURS

Select one of the following courses:

- ART 1593 - Art Appreciation* **3 Credits**
- MUS 1213 - Music Appreciation* **3 Credits**
- SPAN 1103 - Beginning Spanish I* **3 Credits**

Also accepted: PHIL 1123 Introduction to Philosophy

HUMANITIES - 3 CREDIT HOURS

Select one of the following courses:

- ENG 2223 - American Literature I* **3 Credits**
- ENG 2233 - American Literature II* **3 Credits**
- ENG 2273 - World Literature I* **3 Credits**
- ENG 2283 - World Literature II* **3 Credits**

Also accepted: PHIL 1123 Introduction to Philosophy

HISTORY/GOVERNMENT/SOCIAL SCIENCES - 6 CREDIT HOURS

UAFS will accept from NPC a total of nine credit hours in History/Government/Social Studies.

Option 1

You completed PSYC 1103 General Psychology, SOC 1103 Introduction to Sociology, or a World History course as part of your AAS.

Select one of the following courses:

- HIST 2223 - United States History To 1865* **3 Credits**
- HIST 2233 - United States History Since 1865* **3 Credits**
- POLS 1113 - American National Government* **3 Credits**

Select one of the following courses:

- ANTH 1113 - General Anthropology* **3 Credits**
- ECON 2203 - Macroeconomics* **3 Credits**
- ECON 2213 - Microeconomics* **3 Credits**
- HIST 2253 - World Civilization To 1500* **3 Credits**
- HIST 2263 - World Civilization Since 1500* **3 Credits**
- POLS 1123 - American State And Local Government* **3 Credits**
- SOC 2203 - Social Problems* **3 Credits**

Option 2

You completed American National Government or a US History course as part of your AAS.

Select two of the following courses:

- ANTH 1113 - General Anthropology* **3 Credits**
- ECON 2203 - Macroeconomics* **3 Credits**
- ECON 2213 - Microeconomics* **3 Credits**
- HIST 2253 - World Civilization To 1500* **3 Credits**

- HIST 2263 - World Civilization Since 1500* **3 Credits**
- POLS 1123 - American State And Local Government* **3 Credits**
- PSYC 1103 - General Psychology* **3 Credits**
- SOC 1103 - Introduction To Sociology* **3 Credits**
- SOC 2203 - Social Problems* **3 Credits**

Remaining Courses to be Completed at UAFS

Automotive Service Technology, CP

College Required Courses

Required for all new NPC students

- ORT 1000 - Student LMS Training **0 Credits**
- ORT 1100 - NPC Orientation **0 Credits**

Technical Core - 12 Credit Hours

- AST 1313 - Fuel Systems **3 Credits**
- AST 1363 - Automatic Transmissions **3 Credits**
- AST 1343 - Manual Transmissions **3 Credits**
- AST 2103 - Ignition & Emission Systems **3 Credits**

12 Credit Hours Total

See your NPC Academic or Faculty Advisor for degree and graduation information

Automotive Service Technology, TC

The mission of the Automotive Service Technology program is to assist students in gaining employment in new car agencies, independent repair facilities, automotive supply stores, service stations and as fleet mechanics. The program is certified through the National Automotive Technicians Education Foundation (NATEF)

General Education Core - 6 Credit Hours

- ORT 1000 - Student LMS Training **0 Credits**
- ORT 1100 - NPC Orientation **0 Credits**

COMPUTER LITERACY - 3 CREDIT HOURS

Select one of the following courses:

- CIS 1023 - Introduction to Computing* **3 Credits**
- CIS 1013 - Information Systems **3 Credits**

MATHEMATICS - 3 CREDIT HOURS

Select one of the following courses:

- MATH 1213 - Quantitative Literacy* **3 Credits**
- TECM 1103 - Technical Math I **3 Credits**

Automotive Service Technology Core - 36 Credit Hours

- AST 1106 - Automotive Lab I **6 Credits**
- AST 1203 - Brakes **3 Credits**
- AST 1206 - Automotive Lab II **6 Credits**
- AST 1213 - Basic Electrical **3 Credits**
- AST 1223 - Automotive Maintenance **3 Credits**
- AST 1323 - Automotive Electrical **3 Credits**
- AST 1503 - Suspension and Steering **3 Credits**

- AST 1603 - Engine Repair **3 Credits**
- AST 1803 - Engine Performance Fundamentals **3 Credits**
- AST 1903 - Automotive AC/Heat **3 Credits**

42 Credit Hours

See your NPC Academic or Faculty Advisor for degree and graduation information

Automotive Service/Maintenance, CP

College Required Courses

Required for all new NPC students

- ORT 1000 - Student LMS Training **0 Credits**
- ORT 1100 - NPC Orientation **0 Credits**

Technical Core - 9 Credit Hours

- AST 1106 - Automotive Lab I **6 Credits**
- AST 1223 - Automotive Maintenance **3 Credits**

9 Credit Hours Total

See your NPC Academic or Faculty Advisor for degree and graduation information

Automotive Transmissions, CP

College Required Courses

Required for all new NPC students

- ORT 1000 - Student LMS Training **0 Credits**
- ORT 1100 - NPC Orientation **0 Credits**

Technical Core - 9 Credit Hours

- AST 1343 - Manual Transmissions **3 Credits**
- AST 1363 - Automatic Transmissions **3 Credits**
- AST 2113 - Automotive Internship **3 Credits**

9 Credit Hours Total

See your NPC Academic or Faculty Advisor for degree and graduation information

Automotive Tune-up Specialist, CP

College Required Courses

Required for all new NPC students

- ORT 1000 - Student LMS Training **0 Credits**
- ORT 1100 - NPC Orientation **0 Credits**

Technical Core - 12 Credit Hours Total

- AST 1803 - Engine Performance Fundamentals **3 Credits**
- AST 1603 - Engine Repair **3 Credits**
- AST 1206 - Automotive Lab II **6 Credits**

12 Credit Hours Total

See your NPC Academic or Faculty Advisor for degree and graduation information

Biology

Biology, AS-STEM for Transfer to SAU at NPC BS in Biology, Pre-Health Option

About This Degree

This curriculum is designed for persons who plan to obtain an Associate of Science in Science, Technology, Engineering, and Math (AS-STEM) degree at National Park College (NPC), complete upper-level SAU courses at NPC, and receive a Bachelor's degree from SAU.

Start Here / Finish Here

NPC Faculty Mentor: Alexandra Barnard (Alexandra.Barnard@np.edu) 501.760.4276

NPC to SAU Transition Coordinator: Anne Benoit (Anne.Benoit@np.edu) 501.760.4373

Prerequisite courses and/or developmental courses may need to be taken in addition to this suggested plan of study.

NPU Transfer Resources: • Transfer 101 • Transfer Checklists • Transfer FAQ

SAU Transfer Admission information and policies

Additional SAU admission requirements for this program:

- The student must complete the requirements necessary for general admission to SAU
- The student will have earned the Associate of Science in Liberal Arts and Sciences at NPC with a minimum 2.00 cumulative grade point average in general education courses, and at least a 3.00 cumulative grade point average in Biology (BIOL), Chemistry (CHEM), and Mathematics (MATH) courses
- Degree program admission requirements will be determined in the same manner as if their initial enrollment had been at SAU.

SAU Transfer Scholarship information and policies

General Education Core - 35 Credit Hours

- ORT 1000 - Student LMS Training **0 Credits**
- ORT 1100 - NPC Orientation **0 Credits**

ENGLISH - 6 CREDIT HOURS

- ENG 1113 - English Composition I* **3 Credits**
- ENG 1123 - English Composition II* **3 Credits**

MATHEMATICS - 3 CREDIT HOURS

- MATH 1123 - College Algebra* **3 Credits**

FINE ARTS/HUMANITIES

Select one of the following courses:

- ART 1593 - Art Appreciation* **3 Credits**
- MUS 1213 - Music Appreciation* **3 Credits**

Select one of the following courses:

- ENG 2273 - World Literature I* **3 Credits**
- ENG 2283 - World Literature II* **3 Credits**

Select one of the following courses:

- FREN 1103 - Beginning French I* **3 Credits**

- SPAN 1103 - Beginning Spanish I* **3 Credits**

HISTORY/GOVERNMENT - 6 CREDIT HOURS

Select one of the following courses:

- HIST 2223 - United States History To 1865* **3 Credits**
- HIST 2233 - United States History Since 1865* **3 Credits**
- POLS 1113 - American National Government* **3 Credits**

Select one of the following courses:

- HIST 2253 - World Civilization To 1500* **3 Credits**
- HIST 2263 - World Civilization Since 1500* **3 Credits**

SOCIAL SCIENCES - 3 CREDIT HOURS

Select one of the following courses:

- ANTH 1113 - General Anthropology* **3 Credits**
- ECON 2213 - Microeconomics* **3 Credits**
- GEOG 1103 - Introduction To Geography* **3 Credits**
- PSYC 1103 - General Psychology* **3 Credits**
- SOC 1103 - Introduction To Sociology* **3 Credits**

LAB SCIENCES - 8 CREDIT HOURS

- BIOL 1114 - General Biology* **4 Credits**
- CHEM 1204 - General Chemistry I* **4 Credits**

Pre-Health Biology Core - 28 Credit Hours

- BIOL 1014 - Survey of Life **4 Credits**
- BIOL 2224 - Anatomy & Physiology I* **4 Credits**
- BIOL 2234 - Anatomy & Physiology II* **4 Credits**
- CHEM 2204 - General Chemistry II* **4 Credits**
- MATH 1133 - Trigonometry* **3 Credits**
- PHYS 1204 - General Physics I* **4 Credits**
- PHYS 2204 - General Physics II* **4 Credits**

63 Total Program Hours

* Denotes NPC courses included in the Arkansas Course Transfer System (ACTS)

Remaining SAU Courses to be Completed at NPC

Business

Basic Business Law, CP

NPC Business Division Graduation Requirement

A cumulative average of C (2.0) is required for graduation for all NPC programs. In addition, in order to graduate with any Business Division degree or certificate, all Business Division courses must be passed with a grade of "C" or better.

If you plan to transfer to UAFS please note:

UAFS Admission and Graduation Requirements

Students must have a 2.0 (on a 4.0 scale) cumulative GPA on all previous coursework to be eligible for admission to UAFS. Students must also earn at least a cumulative GPA of 2.25 in all NPC Business Division courses in order to meet graduation requirements for the UAFS College of Business.

College Required Courses

Required for all new NPC students

- ORT 1000 - Student LMS Training **0 Credits**
- ORT 1100 - NPC Orientation **0 Credits**

Major Specific Courses - 12 Credit Hours Total

- BUS 1113 - Introduction To Business** **3 Credits**
- BUS 2203 - Business Law** **3 Credits**
- BUS 1223 - Human Resource Management **3 Credits**
- CRJ 1133 - Legal Systems & Terminology **3 Credits**

12 Credit Hours Total

See your NPC Academic or Faculty Advisor for degree and graduation information

Basic Business Management, CP

NPC Business Division Graduation Requirement

A cumulative average of C (2.0) is required for graduation for all NPC programs. In addition, in order to graduate with any Business Division degree or certificate, all Business Division courses must be passed with a grade of "C" or better.

If you plan to transfer to UAFS please note:

UAFS Admission and Graduation Requirements

Students must have a 2.0 (on a 4.0 scale) cumulative GPA on all previous coursework to be eligible for admission to UAFS. Students must also earn at least a cumulative GPA of 2.25 in all NPC Business Division courses in order to meet graduation requirements for the UAFS College of Business.

College Required Courses

Required for all new NPC students

- ORT 1000 - Student LMS Training **0 Credits**
- ORT 1100 - NPC Orientation **0 Credits**

Major Specific Courses - 15 Credit Hours Total

- SUPM 1123 - Introduction To Supervision **3 Credits**
- BUS 1113 - Introduction To Business** **3 Credits**
- BUS 1183 - Small Business Management **3 Credits**
- BUS 1223 - Human Resource Management **3 Credits**
- BUS 2203 - Business Law** **3 Credits**

15 Credit Hours Total

See your NPC Academic or Faculty Advisor for degree and graduation information

Basic Business Principles, CP

NPC Business Division Graduation Requirement

A cumulative average of C (2.0) is required for graduation for all NPC programs. In addition, in order to graduate with any Business Division degree or certificate, all Business Division courses must be passed with a grade of "C" or better.

If you plan to transfer to UAFS please note:

UAFS Admission and Graduation Requirements

Students must have a 2.0 (on a 4.0 scale) cumulative GPA on all previous coursework to be eligible for admission to UAFS. Students must also earn at least a cumulative GPA of 2.25 in all NPC Business Division courses in order to meet graduation requirements for the UAFS College of Business.

College Required Courses

Required for all new NPC students

- ORT 1000 - Student LMS Training **0 Credits**
- ORT 1100 - NPC Orientation **0 Credits**

Major Specific Courses - 15 Credit Hours Total

- BUS 1113 - Introduction To Business** **3 Credits**
- BUS 1183 - Small Business Management **3 Credits**
- BUS 1223 - Human Resource Management **3 Credits**
- BUS 2203 - Business Law** **3 Credits**
- ACT 1003 - Basic Accounting **3 Credits**

15 Credit Hours Total

See your NPC Academic or Faculty Advisor for degree and graduation information

Business Information Systems, AS for Transfer to UALR BBA in Business Information Systems

About This Degree

This curriculum is designed for persons who plan to obtain an Associate of Science in Liberal Arts and Sciences (ASLAS) degree at National Park College (NPC) and transfer to the University of Arkansas at Little Rock (UALR) to complete a Bachelor's degree.

Start Here / Finish There or Online

NPC Faculty Mentor: Jennifer Lyons (Jennifer.Lyons@np.edu) 501.760.4256

Prerequisite courses and/or developmental courses may need to be taken in addition to this suggested plan of study.

NPC Business Division Graduation Requirement: A cumulative average of C (2.0) is required for graduation for all NPC programs. In addition, in order to graduate with any Business Division degree or certificate, all Business Division courses must be passed with a grade of "C" or better.

NPU Transfer Resources: • Transfer 101 • Transfer Checklists • Transfer FAQ

UALR Transfer Admission information and policies

Additional UALR admission requirements for this program:

- The student will have earned the Associate of Science in Liberal Arts and Sciences at NPC with a minimum 2.25 cumulative grade point average and a grade of "C" or better in English Composition II and College Algebra

- UALR transfer course designations are either guaranteed by ACTS (acts.adhe.edu) or have been approved as a substitution by UALR. Unless otherwise noted, courses for which no UALR equivalent course is listed transfer in as elective credit.

UALR Transfer Scholarship information and policies

General Education Core - 35 Transferable Hours

- ORT 1100 - NPC Orientation **0 Credits**
- ORT 1000 - Student LMS Training **0 Credits**
- **ENGLISH/COMMUNICATION - 9 CREDIT HOURS**
- ENG 1113 - English Composition I* **3 Credits**
- ENG 1123 - English Composition II* **3 Credits**
- SPCH 1103 - Fundamentals of Public Speaking* **3 Credits**
- **MATHEMATICS - 3 CREDIT HOURS**
- MATH 1123 - College Algebra* **3 Credits**
- **LAB SCIENCES - 8 CREDIT HOURS**
- BIOL 1114 - General Biology* **4 Credits**
Select one of the following courses:
- ESCI 1104 - Earth Science* **4 Credits**
- PHYS 1114 - Physical Science* **4 Credits**
- **FINE ARTS/HUMANITIES - 6 CREDIT HOURS**
Select one of the following courses:
- ART 1593 - Art Appreciation* **3 Credits**
- MUS 1213 - Music Appreciation* **3 Credits**
Select one of the following courses:
- ENG 2273 - World Literature I* **3 Credits**
- ENG 2283 - World Literature II* **3 Credits**
- **SOCIAL SCIENCES - 9 CREDIT HOURS**
Select one of the following courses:
- HIST 2223 - United States History To 1865* **3 Credits**
- HIST 2233 - United States History Since 1865* **3 Credits**
- POLS 1113 - American National Government* **3 Credits**
Select one of the following courses:
- HIST 2253 - World Civilization To 1500* **3 Credits**
- HIST 2263 - World Civilization Since 1500* **3 Credits**
Select one of the following courses:
- PSYC 1103 - General Psychology* **3 Credits**
- SOC 1103 - Introduction To Sociology* **3 Credits**

Business Core - 18 Transferable Hours

- ACT 1103 - Principles Of Accounting I** **3 Credits**
- ACT 1113 - Principles Of Accounting II** **3 Credits**
- BUS 2203 - Business Law** **3 Credits**
- ECON 2203 - Macroeconomics* **3 Credits**
- ECON 2213 - Microeconomics* **3 Credits**
- BUS 2213 - Business Calculus **3 Credits**

Computer Science - 12 Transferable Hours

- CIS 1033 - Computer Science I **3 Credits**
- CIS 1031 - Computer Science I Lab **1 Credits**
- CIS 1043 - Computer Science II **3 Credits**
- CIS 1041 - Computer Science II Lab **1 Credits**
- CIS 1243 - PC Hardware Maintenance 1 **3 Credits**
- CIS 1233 - Windows Operating System Fundamentals **3 Credits**

65 Total Program Hours

* Denotes NPC courses included in the Arkansas Course Transfer System (ACTS)

Remaining Courses to be Completed at UALR

* Denotes NPC courses included in the Arkansas Course Transfer System (ACTS)

Business Management (Management/Marketing), AAS

NPC Business Division Graduation Requirement

A cumulative average of C (2.0) is required for graduation for all NPC programs. In addition, in order to graduate with any Business Division degree or certificate, all Business Division courses must be passed with a grade of "C" or better.

General Education Core - 15 Credit Hours

- ORT 1000 - Student LMS Training **0 Credits**
- ORT 1100 - NPC Orientation **0 Credits**
- ENG 1113 - English Composition I* **3 Credits**
- ENG 1123 - English Composition II* **3 Credits**
- CIS 1013 - Information Systems **3 Credits**
- PSYC 1103 - General Psychology* **3 Credits**
- Select one of the following courses:*
- MATH 1123 - College Algebra* **3 Credits**
- MATH 1213 - Quantitative Literacy* **3 Credits**

Major Specific Courses - 45 Credit Hours

- ACT 1003 - Basic Accounting **3 Credits**
- ACT 1013 - Payroll Accounting **3 Credits**
- ACT 1203 - Computerized Accounting **3 Credits**
- BUS 1011 - Career Strategies **1 Credits**
- BUS 1113 - Introduction To Business** **3 Credits**
- BUS 1133 - Introduction To Income Taxes **3 Credits**
- BUS 1143 - Introduction To Marketing** **3 Credits**
- BUS 1183 - Small Business Management **3 Credits**
- BUS 1223 - Human Resource Management **3 Credits**
- BUS 2033 - Business Communications** **3 Credits**
- BUS 2203 - Business Law** **3 Credits**
- BUS 2343 - Advertising **3 Credits**
- BUS 2353 - Retailing **3 Credits**
- ECON 2213 - Microeconomics* **3 Credits**

- ORT 1202 - College Seminar **2 Credits**
- SUPM 1123 - Introduction To Supervision **3 Credits**

60 Minimum Credit Hours Total

Purpose of AAS Degree

The Associate of Applied Science Degree is designed for employment purposes, and it should not be assumed that the degree or the courses in the degree can be transferred to another institution. While some institutions do accept some courses in AAS Programs, the general rule is that courses in AAS. Degrees are not accepted in transfer toward bachelor's degrees. Students to whom transfer is important should get assurances in writing in advance from the institution to which they wish to transfer.

Business Management (Management/Marketing), AAS for Transfer to UAFS BAS (Emphasis - Management & Leadership)

About This Degree

National Park College (NPC) students who have completed an Associate of Applied Science (AAS)* degree may transfer into the Bachelor of Applied Science (BAS) degree program at the University of Arkansas at Ft. Smith (UAFS). This degree provides students with the skills and knowledge necessary to either assume management and leadership roles in business and industry or to enhance current employment. **The BAS degree is not specific to any NPC program area or concentration.**

This degree requires a total of 120 semester credit hours, including at least 40 upper-level credit hours completed at UAFS. NPC students may transfer 75 hours of lower-level courses to UAFS.

Start Here / Finish Online

NPC Mentor: Jennifer Lyons (Jennifer.Lyons@np.edu) 501.760.4256

Prerequisite courses and/or developmental courses may need to be taken in addition to this suggested plan of study.

NPU Transfer Resources: • Transfer 101 • Transfer Checklists • Transfer FAQ

NPC-to-UAFS Pre-Graduation Transfer Degree Checklist

NPC-to-UAFS Post-Graduation Transfer Degree Checklist

UAFS Admissions Requirements

Students must have a 2.0 (on a 4.0 scale) cumulative GPA on all previous coursework to be eligible for admission to UAFS.

*The curriculum prepares you for licensure/certification in Arkansas.

General Education Core - 15 Credit Hours

- ORT 1000 - Student LMS Training **0 Credits**
- ORT 1100 - NPC Orientation **0 Credits**
- ENG 1113 - English Composition I* **3 Credits**
- ENG 1123 - English Composition II* **3 Credits**
- CIS 1013 - Information Systems **3 Credits**
- PSYC 1103 - General Psychology* **3 Credits**
- Select one of the following courses:*
- MATH 1123 - College Algebra* **3 Credits**
- MATH 1213 - Quantitative Literacy* **3 Credits**

Major Specific Courses - 45 Credit Hours

- ACT 1003 - Basic Accounting **3 Credits**

- ACT 1013 - Payroll Accounting **3 Credits**
- ACT 1203 - Computerized Accounting **3 Credits**
- BUS 1011 - Career Strategies **1 Credits**
- BUS 1113 - Introduction To Business** **3 Credits**
- BUS 1133 - Introduction To Income Taxes **3 Credits**
- BUS 1143 - Introduction To Marketing** **3 Credits**
- BUS 1183 - Small Business Management **3 Credits**
- BUS 1223 - Human Resource Management **3 Credits**
- BUS 2033 - Business Communications** **3 Credits**
- BUS 2203 - Business Law** **3 Credits**
- BUS 2343 - Advertising **3 Credits**
- BUS 2353 - Retailing **3 Credits**
- ECON 2213 - Microeconomics* **3 Credits**
- ORT 1202 - College Seminar **2 Credits**
- SUPM 1123 - Introduction To Supervision **3 Credits**

60 Total Program Hours

* Denotes NPC courses included in the Arkansas Course Transfer System (ACTS)

Additional Hours

Contact your Academic Advisor for assistance

UAFS recognizes 49 NPC credit hours from this Associate of Applied Science degree.

UAFS will also accept 26 additional hours from courses listed below taken at NPC for a maximum of 75 transferable hours. These courses may also be taken at UAFS (campus or online, if available).

8 hours Lab Sciences

If you choose to take a Lab Science class online, please note:

- NPC courses may require up to two on-campus lab meetings each semester
- UAFS course lectures are available online, but all related lab sessions meet on campus

Select two of the following courses:

- BIOL 1114 - General Biology* **4 Credits**
- BIOL 2224 - Anatomy & Physiology I* **4 Credits**
- BIOL 2244 - Microbiology* **4 Credits**
- CHEM 1104 - Chemistry For Non-Majors* **4 Credits**
- CHEM 1204 - General Chemistry I* **4 Credits**
- ESCI 1104 - Earth Science* **4 Credits**
- GEOL 1104 - Physical Geology* **4 Credits**
- PHYS 1114 - Physical Science* **4 Credits**
- PHYS 1204 - General Physics I* **4 Credits**

18 hours selected from the following courses which may be taken at NPC (campus or online if available) or at UAFS (campus or online)

MATHEMATICS - 3 CREDIT HOURS

Select one of the following courses:

- BUS 2123 - Business Statistics** **3 Credits**
- MATH 1133 - Trigonometry* **3 Credits**
- MATH 1293 - Introduction To Statistics* **3 Credits**
- BUS 2213 - Business Calculus **3 Credits**

ORAL COMMUNICATION - 3 CREDIT HOURS

- SPCH 1103 - Fundamentals of Public Speaking* **3 Credits**

FINE ARTS - 3 CREDIT HOURS

Select one of the following courses:

- ART 1593 - Art Appreciation* **3 Credits**
- MUS 1213 - Music Appreciation* **3 Credits**
- SPAN 1103 - Beginning Spanish I* **3 Credits**

Also accepted: PHIL 1123 Introduction to Philosophy

HUMANITIES - 3 CREDIT HOURS

Select one of the following courses:

- ENG 2223 - American Literature I* **3 Credits**
- ENG 2233 - American Literature II* **3 Credits**
- ENG 2273 - World Literature I* **3 Credits**
- ENG 2283 - World Literature II* **3 Credits**

Also accepted: PHIL 1123 Introduction to Philosophy

HISTORY/GOVERNMENT/SOCIAL SCIENCES - 6 CREDIT HOURS

UAFS will accept from NPC a total of nine credit hours in History/Government/Social Studies.

Option 1

You completed PSYC 1103 General Psychology, SOC 1103 Introduction to Sociology, or a World History course as part of your AAS.

Select one of the following courses:

- HIST 2223 - United States History To 1865* **3 Credits**
- HIST 2233 - United States History Since 1865* **3 Credits**
- POLS 1113 - American National Government* **3 Credits**

Select one of the following courses:

- ANTH 1113 - General Anthropology* **3 Credits**
- ECON 2203 - Macroeconomics* **3 Credits**
- ECON 2213 - Microeconomics* **3 Credits**
- HIST 2253 - World Civilization To 1500* **3 Credits**
- HIST 2263 - World Civilization Since 1500* **3 Credits**
- POLS 1123 - American State And Local Government* **3 Credits**
- SOC 2203 - Social Problems* **3 Credits**

Option 2

You completed American National Government or a US History course as part of your AAS.

Select two of the following courses:

- ANTH 1113 - General Anthropology* **3 Credits**
- ECON 2203 - Macroeconomics* **3 Credits**
- ECON 2213 - Microeconomics* **3 Credits**
- HIST 2253 - World Civilization To 1500* **3 Credits**
- HIST 2263 - World Civilization Since 1500* **3 Credits**
- POLS 1123 - American State And Local Government* **3 Credits**
- PSYC 1103 - General Psychology* **3 Credits**

- SOC 1103 - Introduction To Sociology* **3 Credits**
- SOC 2203 - Social Problems* **3 Credits**

Remaining Courses to be Completed at UAFS

Business, AS for Transfer

: Business, AS for Transfer

: Business, AS for Transfer (Accelerated Evening Plan: 18 Months)

About This Degree

The Associate of Science degree in Business is designed for students preparing to transfer to a 4-year institution to obtain a baccalaureate degree in the field of business. This degree was approved for acceptance at the following 4-year public universities in Arkansas upon completion of the entire degree in April of 2010.

Each institution is allowed to specify certain courses. Choose the institution below if your transfer institution has been decided.

- | | |
|--------------------------------|--------------------------------------|
| • Arkansas State University | • University of Arkansas Little Rock |
| • Arkansas Tech University | • University of Arkansas Monticello |
| • Henderson State University | • University of Arkansas Pine Bluff |
| • Southern Arkansas University | • University of Central Arkansas |

NPC Faculty Mentor: Jennifer Lyons

Courses prerequisite to another class requires a minimum grade of "C" in order to advance to the next course.

NPC Business Division Graduation Requirement

A cumulative average of C (2.0) is required for graduation for all NPC programs. In addition, in order to graduate with any Business Division degree or certificate, all Business Division courses must be passed with a grade of "C" or better.

NPU Transfer Resources: • Transfer 101 • Transfer Checklists • Transfer FAQ

General Education Core - 38 Transferable Hours

- ORT 1100 - NPC Orientation **0 Credits**
- ORT 1000 - Student LMS Training **0 Credits**
- ENGLISH/COMMUNICATION - 9 CREDIT HOURS**
- ENG 1113 - English Composition I* **3 Credits**
- ENG 1123 - English Composition II* **3 Credits**
- SPCH 1103 - Fundamentals of Public Speaking* **3 Credits**

MATHEMATICS - 6 CREDIT HOURS

- MATH 1123 - College Algebra* **3 Credits**
- BUS 2213 - Business Calculus **3 Credits**

LAB SCIENCES - 8 CREDIT HOURS

Life Sciences

Select one of the following courses:

- BIOL 1114 - General Biology* **4 Credits**
- BIOL 2224 - Anatomy & Physiology I* **4 Credits**

Physical Sciences

Select one of the following courses:

- CHEM 1104 - Chemistry For Non-Majors* **4 Credits**
- CHEM 1204 - General Chemistry I* **4 Credits**
- ESCI 1104 - Earth Science* **4 Credits**
- GEOL 1104 - Physical Geology* **4 Credits**
- PHYS 1114 - Physical Science* **4 Credits**

FINE ARTS - 3 CREDIT HOURS

Select one of the following courses:

- ART 1593 - Art Appreciation* **3 Credits**
- MUS 1213 - Music Appreciation* **3 Credits**

HUMANITIES - 3 CREDIT HOURS

Select one of the following courses:

- ENG 2273 - World Literature I* **3 Credits**
- ENG 2283 - World Literature II* **3 Credits**

SOCIAL SCIENCES - 9 CREDIT HOURS

- SOC 1103 - Introduction To Sociology* **3 Credits**

Select one of the following courses:

- HIST 2223 - United States History To 1865* **3 Credits**
- HIST 2233 - United States History Since 1865* **3 Credits**
- POLS 1113 - American National Government* **3 Credits**

Select one of the following courses:

- HIST 2253 - World Civilization To 1500* **3 Credits**
- HIST 2263 - World Civilization Since 1500* **3 Credits**

Business Core - 24 Transferable Hours

A cumulative average of C (2.0) is required for graduation for all NPC programs. In addition, in order to graduate with any Business Division degree or certificate, all Business Division courses must be passed with a grade of "C" or better.

- ACT 1103 - Principles Of Accounting I** **3 Credits**
- ACT 1113 - Principles Of Accounting II** **3 Credits**
- BUS 2203 - Business Law** **3 Credits**
- BUS 2123 - Business Statistics** **3 Credits**
- CIS 1013 - Information Systems **3 Credits**
- ECON 2203 - Macroeconomics* **3 Credits**
- ECON 2213 - Microeconomics* **3 Credits**

Select one of the following courses depending on transfer institution requirements:

- BUS 1113 - Introduction To Business** **3 Credits**
- BUS 2033 - Business Communications** **3 Credits**

62 Transferable Credit Hours

See your NPC advisor for degree and graduation information.

Business, AS for Transfer to ASU

The Associate of Science degree in Business is designed for students preparing to transfer to a 4-year institution to obtain a baccalaureate degree in the field of business.

Students who successfully complete the Associate of Science in Business at National Park College (NPC) are eligible to transfer to Arkansas State University (ASU) to complete the following Bachelor programs:

- Business, AS for Transfer to ASU
- Communication Studies, ASLAS for Transfer to ASUJ BA in Communication Studies
- English, ASLAS for Transfer to ASUJ BA in English
- Strategic Communication, ASLAS for Transfer to ASUJ BA in Strategic Communications

: Business, AS for Transfer

: Business, AS for Transfer (Accelerated Evening Plan: 18 Months)

NPC Business Division Graduation Requirement

A cumulative average of C (2.0) is required for graduation for all NPC programs. In addition, in order to graduate with any Business Division degree or certificate, all Business Division courses must be passed with a grade of "C" or better.

General Education Core - 38 Transferable Hours

- ORT 1100 - NPC Orientation **0 Credits**
- ORT 1000 - Student LMS Training **0 Credits**
- ENGLISH/COMMUNICATION - 9 CREDIT HOURS**
- ENG 1113 - English Composition I* **3 Credits**
- ENG 1123 - English Composition II* **3 Credits**
- SPCH 1103 - Fundamentals of Public Speaking* **3 Credits**

MATHEMATICS - 6 CREDIT HOURS

- MATH 1123 - College Algebra* **3 Credits**
- BUS 2213 - Business Calculus **3 Credits**

LAB SCIENCES - 8 CREDIT HOURS

Life Sciences

Select one of the following courses:

- BIOL 1114 - General Biology* **4 Credits**
- BIOL 2224 - Anatomy & Physiology I* **4 Credits**

Physical Sciences

Select one of the following courses:

- CHEM 1104 - Chemistry For Non-Majors* **4 Credits**
- CHEM 1204 - General Chemistry I* **4 Credits**
- ESCI 1104 - Earth Science* **4 Credits**
- GEOL 1104 - Physical Geology* **4 Credits**
- PHYS 1114 - Physical Science* **4 Credits**

FINE ARTS - 3 CREDIT HOURS

Select one of the following courses:

- ART 1593 - Art Appreciation* **3 Credits**
- MUS 1213 - Music Appreciation* **3 Credits**

HUMANITIES - 3 CREDIT HOURS

Select one of the following courses:

- ENG 2273 - World Literature I* **3 Credits**
- ENG 2283 - World Literature II* **3 Credits**

SOCIAL SCIENCES - 9 CREDIT HOURS

- SOC 1103 - Introduction To Sociology* **3 Credits**
Select one of the following courses:
- HIST 2223 - United States History To 1865* **3 Credits**
- HIST 2233 - United States History Since 1865* **3 Credits**
- POLS 1113 - American National Government* **3 Credits**
Select one of the following courses:
- HIST 2253 - World Civilization To 1500* **3 Credits**
- HIST 2263 - World Civilization Since 1500* **3 Credits**

Business Core - 24 Transferable Hours

- ACT 1103 - Principles Of Accounting I** **3 Credits**
- ACT 1113 - Principles Of Accounting II** **3 Credits**
- BUS 2033 - Business Communications** **3 Credits**
- BUS 2203 - Business Law** **3 Credits**
- BUS 2213 - Business Calculus **3 Credits**
- CIS 1013 - Information Systems **3 Credits**
- ECON 2203 - Macroeconomics* **3 Credits**
- ECON 2213 - Microeconomics* **3 Credits**

62 Total Program Hours

* Denotes NPC courses included in the Arkansas Course Transfer System (ACTS)

Business, AS for Transfer to ATU

The Associate of Science degree in Business is designed for students preparing to transfer to a 4-year institution to obtain a baccalaureate degree in the field of business.

Students who successfully complete the Associate of Science in Business at National Park College (NPC) are eligible to transfer to Arkansas Tech University (ATU) to complete the following Bachelor programs:

- Bachelor of Science in Business Administration - Accounting
- Bachelor of Science in Business Administration - Business Data Analytics
- Bachelor of Science in Business Administration - Economics & Finance
- Bachelor of Science in Business Administration - Management
- Bachelor of Science in Business Administration - Marketing
- Bachelor of Science in Business Education

: Business, AS for Transfer

: Business, AS for Transfer (Accelerated Evening Plan: 18 Months)

NPC Business Division Graduation Requirement

A cumulative average of C (2.0) is required for graduation for all NPC programs. In addition, in order to graduate with any Business Division degree or certificate, all Business Division courses must be passed with a grade of "C" or better.

General Education Core - 38 Transferable Hours

- ORT 1100 - NPC Orientation **0 Credits**
- ORT 1000 - Student LMS Training **0 Credits**
- **ENGLISH/COMMUNICATION - 9 CREDIT HOURS**
- ENG 1113 - English Composition I* **3 Credits**
- ENG 1123 - English Composition II* **3 Credits**
- SPCH 1103 - Fundamentals of Public Speaking* **3 Credits**

MATHEMATICS - 6 CREDIT HOURS

- MATH 1123 - College Algebra* **3 Credits**
- BUS 2213 - Business Calculus **3 Credits**

LAB SCIENCES - 8 CREDIT HOURS

Life Sciences

Select one of the following courses:

- BIOL 1114 - General Biology* **4 Credits**
- BIOL 2224 - Anatomy & Physiology I* **4 Credits**

Physical Sciences

Select one of the following courses:

- CHEM 1104 - Chemistry For Non-Majors* **4 Credits**
- CHEM 1204 - General Chemistry I* **4 Credits**
- ESCI 1104 - Earth Science* **4 Credits**
- GEOL 1104 - Physical Geology* **4 Credits**
- PHYS 1114 - Physical Science* **4 Credits**

FINE ARTS - 3 CREDIT HOURS

Select one of the following courses:

- ART 1593 - Art Appreciation* **3 Credits**
- MUS 1213 - Music Appreciation* **3 Credits**

HUMANITIES - 3 CREDIT HOURS

Select one of the following courses:

- ENG 2273 - World Literature I* **3 Credits**
- ENG 2283 - World Literature II* **3 Credits**

SOCIAL SCIENCES - 9 CREDIT HOURS

- SOC 1103 - Introduction To Sociology* **3 Credits**

Select one of the following courses:

- HIST 2223 - United States History To 1865* **3 Credits**
- HIST 2233 - United States History Since 1865* **3 Credits**
- POLS 1113 - American National Government* **3 Credits**

Select one of the following courses:

- HIST 2253 - World Civilization To 1500* **3 Credits**
- HIST 2263 - World Civilization Since 1500* **3 Credits**

Business Core - 24 Transferable Hours

- ACT 1103 - Principles Of Accounting I** **3 Credits**
- ACT 1113 - Principles Of Accounting II** **3 Credits**
- BUS 2203 - Business Law** **3 Credits**
- BUS 2123 - Business Statistics** **3 Credits**
- CIS 1013 - Information Systems **3 Credits**
- ECON 2203 - Macroeconomics* **3 Credits**
- ECON 2213 - Microeconomics* **3 Credits**

Select one of the following:

- BUS 1113 - Introduction To Business** **3 Credits**
- BUS 2033 - Business Communications** **3 Credits**

62 Total Program Hours

* Denotes NPC courses included in the Arkansas Course Transfer System (ACTS)

Business, AS for Transfer to HSU

: Business, AS for Transfer

: Business, AS for Transfer (Accelerated Evening Plan: 18 Months)

Students who successfully complete the Associate of Science in Business at National Park College (NPC) are eligible to transfer to Henderson State University (HSU) to complete the following Bachelor programs:

- Bachelor of Business Administration - Accounting
- Bachelor of Business Administration - Entrepreneurship
- Bachelor of Business Administration - Finance
- Bachelor of Business Administration - Management
- Bachelor of Business Administration - Marketing

HSU Transfer Admission **information and policies**

HSU Transfer Scholarship **information and policies**

About This Degree

The Associate of Science degree in Business is designed for students preparing to transfer to a 4-year institution to obtain a baccalaureate degree in the field of business. This degree is approved for acceptance at the following 4-year public universities.

Each institution is allowed to specify certain courses. Choose the institution below if your transfer institution has been decided.

- | | |
|--------------------------------|--|
| • Arkansas State University | • University of Arkansas Little Rock |
| • Arkansas Tech University | • University of Arkansas Monticello |
| • Henderson State University | • University of Arkansas at Pine Bluff |
| • Southern Arkansas University | • University of Central Arkansas |

Start Here / Finish There or Online (*method of delivery depends on chosen degree*)

NPC Faculty Mentor: Jennifer Lyons (Jennifer.Lyons@np.edu) 501.760.4256

Courses prerequisite to another class requires a minimum grade of "C" in order to advance to the next course.

NPC Business Division Graduation Requirement

A cumulative average of C (2.0) is required for graduation for all NPC programs. In addition, in order to graduate with any Business Division degree or certificate, all Business Division courses must be passed with a grade of "C" or better.

NPU Transfer Resources: • Transfer 101 • Transfer Checklists • Transfer FAQ

General Education Core - 38 Transferable Hours

- ORT 1100 - NPC Orientation **0 Credits**
- ORT 1000 - Student LMS Training **0 Credits**
- ENGLISH/COMMUNICATION - 9 CREDIT HOURS**
- ENG 1113 - English Composition I* **3 Credits**
- ENG 1123 - English Composition II* **3 Credits**
- SPCH 1103 - Fundamentals of Public Speaking* **3 Credits**
- MATHEMATICS - 6 CREDIT HOURS**
- MATH 1123 - College Algebra* **3 Credits**
- BUS 2213 - Business Calculus **3 Credits**

LAB SCIENCES - 8 CREDIT HOURS

Life Sciences

Select one of the following courses:

- BIOL 1114 - General Biology* **4 Credits**
- BIOL 2224 - Anatomy & Physiology I* **4 Credits**

Physical Sciences

Select one of the following courses:

- CHEM 1104 - Chemistry For Non-Majors* **4 Credits**
- CHEM 1204 - General Chemistry I* **4 Credits**
- ESCI 1104 - Earth Science* **4 Credits**
- GEOL 1104 - Physical Geology* **4 Credits**
- PHYS 1114 - Physical Science* **4 Credits**

FINE ARTS - 3 CREDIT HOURS

Select one of the following courses:

- ART 1593 - Art Appreciation* **3 Credits**
- MUS 1213 - Music Appreciation* **3 Credits**

HUMANITIES - 3 CREDIT HOURS

Select one of the following courses:

- ENG 2273 - World Literature I* **3 Credits**
- ENG 2283 - World Literature II* **3 Credits**

SOCIAL SCIENCES - 9 CREDIT HOURS

- SOC 1103 - Introduction To Sociology* **3 Credits**

Select one of the following courses:

- HIST 2223 - United States History To 1865* **3 Credits**
- HIST 2233 - United States History Since 1865* **3 Credits**
- POLS 1113 - American National Government* **3 Credits**

Select one of the following courses:

- HIST 2253 - World Civilization To 1500* **3 Credits**
- HIST 2263 - World Civilization Since 1500* **3 Credits**

Business Core - 24 Transferable Hours

- ACT 1103 - Principles Of Accounting I** **3 Credits**
- ACT 1113 - Principles Of Accounting II** **3 Credits**
- BUS 2203 - Business Law** **3 Credits**
- BUS 2123 - Business Statistics** **3 Credits**
- CIS 1013 - Information Systems **3 Credits**
- ECON 2203 - Macroeconomics* **3 Credits**
- ECON 2213 - Microeconomics* **3 Credits**

Select one of the following:

- BUS 1113 - Introduction To Business** **3 Credits**
- BUS 2033 - Business Communications** **3 Credits**

62 Total Program Hours

* Denotes NPC courses included in the Arkansas Course Transfer System (ACTS)

Business, AS for Transfer to HSU BBA in Data Science

The Associate of Science degree in Business is designed for students preparing to transfer to a 4-year institution to obtain a baccalaureate degree in the field of business.

The Bachelor's of Business Administration provides a broad-based foundation in business and emphasis on computers which will give students a range of problem-solving skills to use in a business environment.

NPC Business Division Graduation Requirement

A cumulative average of C (2.0) is required for graduation for all NPC programs. In addition, in order to graduate with any Business Division degree or certificate, all Business Division courses must be passed with a grade of "C" or better.

General Education Core - 38 Transferable Hours

- ORT 1100 - NPC Orientation **0 Credits**
- ORT 1000 - Student LMS Training **0 Credits**
- ENGLISH/COMMUNICATION - 9 CREDIT HOURS**
- ENG 1113 - English Composition I* **3 Credits**
- ENG 1123 - English Composition II* **3 Credits**
- SPCH 1103 - Fundamentals of Public Speaking* **3 Credits**
- MATHEMATICS - 6 CREDIT HOURS**
- MATH 1123 - College Algebra* **3 Credits**
- BUS 2213 - Business Calculus **3 Credits**
- LAB SCIENCES - 8 CREDIT HOURS**
- Life Sciences**
Select one of the following courses:
- BIOL 1114 - General Biology* **4 Credits**
- BIOL 2224 - Anatomy & Physiology I* **4 Credits**
- Physical Sciences**
Select one of the following courses:
- CHEM 1104 - Chemistry For Non-Majors* **4 Credits**
- CHEM 1204 - General Chemistry I* **4 Credits**
- ESCI 1104 - Earth Science* **4 Credits**
- GEOL 1104 - Physical Geology* **4 Credits**
- PHYS 1114 - Physical Science* **4 Credits**
- FINE ARTS - 3 CREDIT HOURS**
Select one of the following courses:
- ART 1593 - Art Appreciation* **3 Credits**
- MUS 1213 - Music Appreciation* **3 Credits**
- HUMANITIES - 3 CREDIT HOURS**
Select one of the following courses:
- ENG 2273 - World Literature I* **3 Credits**
- ENG 2283 - World Literature II* **3 Credits**
- SOCIAL SCIENCES - 9 CREDIT HOURS**
- SOC 1103 - Introduction To Sociology* **3 Credits**
- Select one of the following courses:*
- HIST 2223 - United States History To 1865* **3 Credits**
- HIST 2233 - United States History Since 1865* **3 Credits**
- POLS 1113 - American National Government* **3 Credits**
- Select one of the following courses:*
- HIST 2253 - World Civilization To 1500* **3 Credits**
- HIST 2263 - World Civilization Since 1500* **3 Credits**

Business Core - 21 Transferable Hours

- ACT 1103 - Principles Of Accounting I** **3 Credits**
- ACT 1113 - Principles Of Accounting II** **3 Credits**

- BUS 2123 - Business Statistics** **3 Credits**
- BUS 2203 - Business Law** **3 Credits**
- CIS 1013 - Information Systems **3 Credits**
- ECON 2203 - Macroeconomics* **3 Credits**
- ECON 2213 - Microeconomics* **3 Credits**

Computer Science - 3 Transferable Hours

- CIS 1033 - Computer Science I **3 Credits**

62 Total Program Hours

* Denotes NPC courses included in the Arkansas Course Transfer System (ACTS)

Business, AS for Transfer to SAU

The Associate of Science degree in Business is designed for students preparing to transfer to a 4-year institution to obtain a baccalaureate degree in the field of business.

Students who successfully complete the Associate of Science in Business at National Park College (NPC) are eligible to transfer to Arkansas Southern University (SAU) to complete the following Bachelor programs:

- Bachelor of Business Administration - Accounting
- Bachelor of Business Administration - Entrepreneurship
- Bachelor of Business Administration - Finance
- Bachelor of Business Administration - General Business
- Bachelor of Business Administration - General Business (Agriculture minor)
- Bachelor of Business Administration - General Business (Education minor)
- Bachelor of Business Administration - Information Systems
- Bachelor of Business Administration - Management
- Bachelor of Business Administration - Marketing
-

: Business, AS for Transfer

: Business, AS for Transfer (Accelerated Evening Plan: 18 Months)

The NPC Honors Program

The NPC Honors Program is accepting applications.

Learn more about the **NPC Honors Program**.

Business, AS for Transfer to UAFS BBA

The Associate of Science degree in Business is designed for students preparing to transfer to a 4-year institution to obtain a baccalaureate degree in the field of business.

Students who successfully complete the Associate of Science in Business at National Park College (NPC), and who meet University of Arkansas at Fort Smith (UAFS) admission requirements outlined below, are eligible to transfer to UAFS to complete the following Bachelor programs:

An option to complete a bachelor's degree in business completely online is available only for the Bachelor of Business Administration.

Students completing requirements on the UAFS campus may choose a major in:

- Bachelor of Science in Accounting
- Bachelor of Science in Business Administration
- Bachelor of Science in Finance
- Bachelor of Science in International Business
- Bachelor of Science in Marketing

The Bachelor of Science degree requires a total of 120 semester credit hours, including at least 40 upper-level credit hours completed at UAFS. NPC students may transfer 74 hours of lower-level courses to

UAFS. Prerequisite courses and/or developmental courses may also need to be taken in addition to the degree course requirements shown.

UAFS Admissions Requirements

Students must have a 2.0 (on a 4.0 scale) cumulative GPA on all previous coursework to be eligible for admission to UAFS. Students must also earn at least a cumulative GPA of 2.25 in all NPC Business Division courses in order to meet graduation requirements for the UAFS College of Business.

: Business, AS for Transfer to UAFS BBA

: Business, AS for Transfer (Accelerated Evening Plan) to UAFS BBA

General Education Core - 38 Transferable Hours

- ORT 1100 - NPC Orientation **0 Credits**
- ORT 1000 - Student LMS Training **0 Credits**
- ENGLISH/COMMUNICATION - 9 CREDIT HOURS**
- ENG 1113 - English Composition I* **3 Credits**
- ENG 1123 - English Composition II* **3 Credits**
- SPCH 1103 - Fundamentals of Public Speaking* **3 Credits**
- MATHEMATICS - 6 CREDIT HOURS**
- MATH 1123 - College Algebra* **3 Credits**
- BUS 2213 - Business Calculus **3 Credits**
- LAB SCIENCES - 8 CREDIT HOURS**
- Life Sciences**
Select one of the following courses:
- BIOL 1114 - General Biology* **4 Credits**
- BIOL 2224 - Anatomy & Physiology I* **4 Credits**
- Physical Sciences**
Select one of the following courses:
- CHEM 1104 - Chemistry For Non-Majors* **4 Credits**
- CHEM 1204 - General Chemistry I* **4 Credits**
- ESCI 1104 - Earth Science* **4 Credits**
- GEOL 1104 - Physical Geology* **4 Credits**
- PHYS 1114 - Physical Science* **4 Credits**
- FINE ARTS - 3 CREDIT HOURS**
Select one of the following courses:
- ART 1593 - Art Appreciation* **3 Credits**
- MUS 1213 - Music Appreciation* **3 Credits**
- HUMANITIES - 3 CREDIT HOURS**
Select one of the following courses:
- ENG 2273 - World Literature I* **3 Credits**
- ENG 2283 - World Literature II* **3 Credits**
- SOCIAL SCIENCES - 9 CREDIT HOURS**
- SOC 1103 - Introduction To Sociology* **3 Credits**
Select one of the following courses:
- HIST 2223 - United States History To 1865* **3 Credits**
- HIST 2233 - United States History Since 1865* **3 Credits**
- POLS 1113 - American National Government* **3 Credits**
Select one of the following courses:
- HIST 2253 - World Civilization To 1500* **3 Credits**

- HIST 2263 - World Civilization Since 1500* **3 Credits**

Business Core - 24 Transferable Hours

- ACT 1103 - Principles Of Accounting I** **3 Credits**
- ACT 1113 - Principles Of Accounting II** **3 Credits**
- BUS 2203 - Business Law** **3 Credits**
- BUS 2123 - Business Statistics** **3 Credits**
- CIS 1013 - Information Systems **3 Credits**
- ECON 2203 - Macroeconomics* **3 Credits**
- ECON 2213 - Microeconomics* **3 Credits**

Select one of the following:

- BUS 1113 - Introduction To Business** **3 Credits**
- BUS 2033 - Business Communications** **3 Credits**

62 Total Program Hours

* Denotes NPC courses included in the Arkansas Course Transfer System (ACTS)

Additional Hours

Contact your Academic Advisor for assistance

UAFS recognizes all 62 hours from the Associate of Science in Business degree.

UAFS will also accept the 12 additional hours listed below taken at NPC for a maximum of 74 transferable hours. These NPC courses may be taken online if available.

- BUS 1143 - Introduction To Marketing** **3 Credits**

Select the course not chosen as part of your ASB:

- BUS 1113 - Introduction To Business** **3 Credits**
- BUS 2033 - Business Communications** **3 Credits**
- ELECTIVES - - - - **Credits**

Select 6 credit hours from the ACTS Course Transfer List. A one-hour PE credit may also be used.

Remaining Courses to be Completed at UAFS

NOTE: Course requirements will vary by major selection. Business Administration majors may choose to complete courses online.

Business, AS for Transfer to UALR

The Associate of Science degree in Business is designed for students preparing to transfer to a 4-year institution to obtain a baccalaureate degree in the field of business.

Students who successfully complete the Associate of Science in Business at National Park College (NPC) are eligible to transfer to the University of Arkansas at Little Rock (UALR) to complete the following Bachelor programs:

- Bachelor of Business Administration in Accounting
- Bachelor of Business Administration in Business Analytics
- Bachelor of Business Administration in Economics
- Bachelor of Business Administration in Finance
- Bachelor of Business Administration in International Business
- Bachelor of Business Administration in Management
- Bachelor of Business Administration in Marketing

: Business, AS for Transfer

: Business, AS for Transfer (Accelerated Evening Plan: 18 Months)

General Education Core - 38 Transferable Hours

- ORT 1100 - NPC Orientation **0 Credits**
- ORT 1000 - Student LMS Training **0 Credits**

ENGLISH/COMMUNICATION - 9 CREDIT HOURS

- ENG 1113 - English Composition I* **3 Credits**
- ENG 1123 - English Composition II* **3 Credits**
- SPCH 1103 - Fundamentals of Public Speaking* **3 Credits**

MATHEMATICS - 6 CREDIT HOURS

- MATH 1123 - College Algebra* **3 Credits**
- BUS 2213 - Business Calculus **3 Credits**

LAB SCIENCES - 8 CREDIT HOURS

Life Sciences

Select one of the following courses:

- BIOL 1114 - General Biology* **4 Credits**
- BIOL 2224 - Anatomy & Physiology I* **4 Credits**

Physical Sciences

Select one of the following courses:

- CHEM 1104 - Chemistry For Non-Majors* **4 Credits**
- CHEM 1204 - General Chemistry I* **4 Credits**
- ESCI 1104 - Earth Science* **4 Credits**
- GEOL 1104 - Physical Geology* **4 Credits**
- PHYS 1114 - Physical Science* **4 Credits**

FINE ARTS - 3 CREDIT HOURS

Select one of the following courses:

- ART 1593 - Art Appreciation* **3 Credits**
- MUS 1213 - Music Appreciation* **3 Credits**

HUMANITIES - 3 CREDIT HOURS

Select one of the following courses:

- ENG 2273 - World Literature I* **3 Credits**
- ENG 2283 - World Literature II* **3 Credits**

SOCIAL SCIENCES - 9 CREDIT HOURS

- SOC 1103 - Introduction To Sociology* **3 Credits**

Select one of the following courses:

- HIST 2223 - United States History To 1865* **3 Credits**
- HIST 2233 - United States History Since 1865* **3 Credits**
- POLS 1113 - American National Government* **3 Credits**

Select one of the following courses:

- HIST 2253 - World Civilization To 1500* **3 Credits**
- HIST 2263 - World Civilization Since 1500* **3 Credits**

Business Core - 24 Transferable Hours

- ACT 1103 - Principles Of Accounting I** **3 Credits**
- ACT 1113 - Principles Of Accounting II** **3 Credits**
- BUS 2203 - Business Law** **3 Credits**
- BUS 2123 - Business Statistics** **3 Credits**
- CIS 1013 - Information Systems **3 Credits**
- ECON 2203 - Macroeconomics* **3 Credits**
- ECON 2213 - Microeconomics* **3 Credits**

Select one of the following:

- BUS 1113 - Introduction To Business** **3 Credits**
- BUS 2033 - Business Communications** **3 Credits**

62 Total Program Hours

* Denotes NPC courses included in the Arkansas Course Transfer System (ACTS)

Business, AS for Transfer to UAM

The Associate of Science degree in Business is designed for students preparing to transfer to a 4-year institution to obtain a baccalaureate degree in the field of business.

Students who successfully complete the Associate of Science in Business at National Park College (NPC) are eligible to transfer to the University of Arkansas at Monticello (UAM) to complete the following Bachelor programs:

- Bachelor of Business Administration - Accounting
- Bachelor of Business Administration - General Business
- Bachelor of Business Administration - Finance
- Bachelor of Business Administration - Management
- Bachelor of Business Administration - Marketing

: Business, AS for Transfer

: Business, AS for Transfer (Accelerated Evening Plan: 18 Months)

General Education Core - 38 Transferable Hours

- ORT 1100 - NPC Orientation **0 Credits**
- ORT 1000 - Student LMS Training **0 Credits**
- ENGLISH/COMMUNICATION - 9 CREDIT HOURS**
- ENG 1113 - English Composition I* **3 Credits**
- ENG 1123 - English Composition II* **3 Credits**
- SPCH 1103 - Fundamentals of Public Speaking* **3 Credits**

MATHEMATICS - 6 CREDIT HOURS

- MATH 1123 - College Algebra* **3 Credits**
- BUS 2213 - Business Calculus **3 Credits**

LAB SCIENCES - 8 CREDIT HOURS

Life Sciences

Select one of the following courses:

- BIOL 1114 - General Biology* **4 Credits**
- BIOL 2224 - Anatomy & Physiology I* **4 Credits**

Physical Sciences

Select one of the following courses:

- CHEM 1104 - Chemistry For Non-Majors* **4 Credits**
- CHEM 1204 - General Chemistry I* **4 Credits**
- ESCI 1104 - Earth Science* **4 Credits**
- GEOL 1104 - Physical Geology* **4 Credits**
- PHYS 1114 - Physical Science* **4 Credits**

FINE ARTS - 3 CREDIT HOURS

Select one of the following courses:

- ART 1593 - Art Appreciation* **3 Credits**
- MUS 1213 - Music Appreciation* **3 Credits**

HUMANITIES - 3 CREDIT HOURS

Select one of the following courses:

- ENG 2273 - World Literature I* **3 Credits**
- ENG 2283 - World Literature II* **3 Credits**
- SOCIAL SCIENCES - 9 CREDIT HOURS**
- SOC 1103 - Introduction To Sociology* **3 Credits**
Select one of the following courses:
- HIST 2223 - United States History To 1865* **3 Credits**
- HIST 2233 - United States History Since 1865* **3 Credits**
- POLS 1113 - American National Government* **3 Credits**
Select one of the following courses:
- HIST 2253 - World Civilization To 1500* **3 Credits**
- HIST 2263 - World Civilization Since 1500* **3 Credits**

Business Core - 24 Transferable Hours

- ACT 1103 - Principles Of Accounting I** **3 Credits**
- ACT 1113 - Principles Of Accounting II** **3 Credits**
- BUS 2203 - Business Law** **3 Credits**
- BUS 2123 - Business Statistics** **3 Credits**
- CIS 1013 - Information Systems **3 Credits**
- ECON 2203 - Macroeconomics* **3 Credits**
- ECON 2213 - Microeconomics* **3 Credits**
Select one of the following:
- BUS 1113 - Introduction To Business** **3 Credits**
- BUS 2033 - Business Communications** **3 Credits**

62 Total Program Hours

* Denotes NPC courses included in the Arkansas Course Transfer System (ACTS)

Business, AS for Transfer to UCA

The Associate of Science degree in Business is designed for students preparing to transfer to a 4-year institution to obtain a baccalaureate degree in the field of business.

Students who successfully complete the Associate of Science in Business at National Park College (NPC) are eligible to transfer to the University of Central Arkansas (UCA) to complete the following Bachelor programs:

- Bachelor of Business Administration in Accounting
- Bachelor of Business Administration in Business Administration
- Bachelor of Business Administration in Economics (International Trade)
- Bachelor of Business Administration in Finance
- Bachelor of Business Administration in Innovation & Entrepreneurship
- Bachelor of Business Administration in Insurance & Risk Management (PFP)
- Bachelor of Business Administration in Logistics & Supply Chain Management
- Bachelor of Business Administration in Business
- Bachelor of Business Administration in MIS (Business Analysis)
- Bachelor of Business Administration in MIS (E-Commerce)
- Bachelor of Business Administration in in MIS (GIS)
- Bachelor of Business Administration in MIS (Networking)
- Bachelor of Business Administration in MIS (Programmer Analyst)
- Bachelor of Business Administration in Marketing

: Business, AS for Transfer

: Business, AS for Transfer (Accelerated Evening Plan: 18 Months)

General Education Core - 38 Transferable Hours

- ORT 1100 - NPC Orientation **0 Credits**
- ORT 1000 - Student LMS Training **0 Credits**
- ENGLISH/COMMUNICATION - 9 CREDIT HOURS**
- ENG 1113 - English Composition I* **3 Credits**
- ENG 1123 - English Composition II* **3 Credits**
- SPCH 1103 - Fundamentals of Public Speaking* **3 Credits**
- MATHEMATICS - 6 CREDIT HOURS**
- MATH 1123 - College Algebra* **3 Credits**
- BUS 2213 - Business Calculus **3 Credits**
- LAB SCIENCES - 8 CREDIT HOURS**
- Life Sciences**
Select one of the following courses:
- BIOL 1114 - General Biology* **4 Credits**
- BIOL 2224 - Anatomy & Physiology I* **4 Credits**
- Physical Sciences**
Select one of the following courses:
- CHEM 1104 - Chemistry For Non-Majors* **4 Credits**
- CHEM 1204 - General Chemistry I* **4 Credits**
- ESCI 1104 - Earth Science* **4 Credits**
- GEOL 1104 - Physical Geology* **4 Credits**
- PHYS 1114 - Physical Science* **4 Credits**
- FINE ARTS - 3 CREDIT HOURS**
Select one of the following courses:
- ART 1593 - Art Appreciation* **3 Credits**
- MUS 1213 - Music Appreciation* **3 Credits**
- HUMANITIES - 3 CREDIT HOURS**
Select one of the following courses:
- ENG 2273 - World Literature I* **3 Credits**
- ENG 2283 - World Literature II* **3 Credits**
- SOCIAL SCIENCES - 9 CREDIT HOURS**
- SOC 1103 - Introduction To Sociology* **3 Credits**
- Select one of the following courses:*
- HIST 2223 - United States History To 1865* **3 Credits**
- HIST 2233 - United States History Since 1865* **3 Credits**
- POLS 1113 - American National Government* **3 Credits**
- Select one of the following courses:*
- HIST 2253 - World Civilization To 1500* **3 Credits**
- HIST 2263 - World Civilization Since 1500* **3 Credits**

Business Core - 24 Transferable Hours

- ACT 1103 - Principles Of Accounting I** **3 Credits**
- ACT 1113 - Principles Of Accounting II** **3 Credits**
- BUS 2203 - Business Law** **3 Credits**
- BUS 2123 - Business Statistics** **3 Credits**
- CIS 1013 - Information Systems **3 Credits**

- ECON 2203 - Macroeconomics* **3 Credits**
- ECON 2213 - Microeconomics* **3 Credits**
- Select one of the following:*
- BUS 1113 - Introduction To Business** **3 Credits**
- BUS 2033 - Business Communications** **3 Credits**

62 Total Program Hours

* Denotes NPC courses included in the Arkansas Course Transfer System (ACTS)

Chemistry

Chemistry, AS-STEM for Transfer to SAU at NPC BS in Chemistry, Pre-Health Professional-Biochemistry Option

About This Degree

This curriculum is designed for persons who plan to obtain an Associate of Science in Science, Technology, Engineering, and Math (AS-STEM) degree at National Park College (NPC), complete upper-level SAU courses at NPC, and receive a Bachelor's degree from SAU.

Start Here / Finish Here

NPC Faculty Mentor: Jason Martin (Jason.Martin@np.edu) 501.760.4172

NPC to SAU Transition Coordinator: Anne Benoit (Anne.Benoit@np.edu) 501.760.4373

Prerequisite courses and/or developmental courses may need to be taken in addition to this suggested plan of study.

NPU Transfer Resources: • Transfer 101 • Transfer Checklists • Transfer FAQ

SAU Transfer Admission information and policies

Additional SAU admission requirements for this program:

- The student must complete the requirements necessary for general admission to SAU
- The student will have earned the Associate of Science in Liberal Arts and Sciences at NPC with a minimum 2.00 cumulative grade point average in general education courses, and at least a 3.00 cumulative grade point average in Biology (BIOL), Chemistry (CHEM), and Mathematics (MATH) courses
- Degree program admission requirements will be determined in the same manner as if their initial enrollment had been at SAU.

SAU Transfer Scholarship information and policies

General Education Core - 38 Credit Hours

- ORT 1000 - Student LMS Training **0 Credits**
- ORT 1100 - NPC Orientation **0 Credits**

ENGLISH - 9 CREDIT HOURS

- ENG 1113 - English Composition I* **3 Credits**
- ENG 1123 - English Composition II* **3 Credits**
- SPCH 1103 - Fundamentals of Public Speaking* **3 Credits**

MATHEMATICS - 3 CREDIT HOURS

- MATH 1133 - Trigonometry* **3 Credits**

FINE ARTS/HUMANITIES - 9 CREDIT HOURS

Select one of the following courses:

- ART 1593 - Art Appreciation* **3 Credits**
- MUS 1213 - Music Appreciation* **3 Credits**

Select one of the following courses:

- ENG 2273 - World Literature I* **3 Credits**
- ENG 2283 - World Literature II* **3 Credits**

Select one of the following or a higher level course:

- FREN 1103 - Beginning French I* **3 Credits**
- SPAN 1103 - Beginning Spanish I* **3 Credits**

HISTORY/GOVERNMENT - 6 CREDIT HOURS

Select one of the following courses:

- HIST 2223 - United States History To 1865* **3 Credits**
- HIST 2233 - United States History Since 1865* **3 Credits**
- POLS 1113 - American National Government* **3 Credits**

Select one of the following courses:

- HIST 2253 - World Civilization To 1500* **3 Credits**
- HIST 2263 - World Civilization Since 1500* **3 Credits**

SOCIAL SCIENCES - 3 CREDIT HOURS

Select one of the following courses:

- ANTH 1113 - General Anthropology* **3 Credits**
- ECON 2203 - Macroeconomics* **3 Credits**
- ECON 2213 - Microeconomics* **3 Credits**
- GEOG 1103 - Introduction To Geography* **3 Credits**
- PSYC 1103 - General Psychology* **3 Credits**
- SOC 1103 - Introduction To Sociology* **3 Credits**

LAB SCIENCES - 8 CREDIT HOURS

- BIOL 1114 - General Biology* **4 Credits**
- CHEM 1204 - General Chemistry I* **4 Credits**

Pre-Health Professional-Biochemistry Core - 24 Credit Hours

- BIOL 1014 - Survey of Life **4 Credits**
- CHEM 2204 - General Chemistry II* **4 Credits**
- CHEM 2631 - Analytical Chemistry Lab **1 Credits**
- CHEM 2632 - Analytical Chemistry **2 Credits**
- MATH 2214 - Calculus I* **4 Credits**
- PHYS 1204 - General Physics I* **4 Credits**
- PHYS 2204 - General Physics II* **4 Credits**
- SCI 1201 - Background & Strategies in Pre-Health **1 Credits**

62 Total Program Hours

* Denotes NPC courses included in the Arkansas Course Transfer System (ACTS)

Remaining SAU Courses to be Completed at NPC

Chemistry, AS-STEM for Transfer to SAU BS in Chemistry, Medical Laboratory Science Option

About This Degree

This curriculum is designed for persons who plan to obtain an Associate of Science in Science, Technology, Engineering, and Math (AS-STEM) degree at National Park College (NPC) and transfer to Southern Arkansas University to complete a Bachelor's degree.

Start Here / Finish There

NPC Faculty Mentor: Jason Martin (Jason.Martin@np.edu) 501.760.4172

Prerequisite courses and/or developmental courses may need to be taken in addition to this suggested plan of study.

NPU Transfer Resources: • Transfer 101 • Transfer Checklists • Transfer FAQ

SAU Transfer Admission information and policies

Additional SAU admission requirements for this program:

- The student must complete the requirements necessary for general admission to SAU
- The student will have earned the Associate of Science in Liberal Arts and Sciences at NPC with a minimum 2.00 cumulative grade point average in general education courses, and at least a 3.00 cumulative grade point average in Biology (BIOL), Chemistry (CHEM), and Mathematics (MATH) courses
- Degree program admission requirements will be determined in the same manner as if their initial enrollment had been at SAU.

SAU Transfer Scholarship information and policies

General Education Core - 35 Credit Hours

- ORT 1000 - Student LMS Training **0 Credits**
- ORT 1100 - NPC Orientation **0 Credits**

ENGLISH - 6 CREDIT HOURS

- ENG 1113 - English Composition I* **3 Credits**
- ENG 1123 - English Composition II* **3 Credits**

MATHEMATICS - 3 CREDIT HOURS

- MATH 1123 - College Algebra* **3 Credits**

FINE ARTS/HUMANITIES

Select one of the following courses:

- ART 1593 - Art Appreciation* **3 Credits**
- MUS 1213 - Music Appreciation* **3 Credits**

Select one of the following courses:

- ENG 2273 - World Literature I* **3 Credits**
- ENG 2283 - World Literature II* **3 Credits**

Select one of the following courses:

- FREN 1103 - Beginning French I* **3 Credits**
- SPAN 1103 - Beginning Spanish I* **3 Credits**

HISTORY/GOVERNMENT - 6 CREDIT HOURS

Select one of the following courses:

- HIST 2223 - United States History To 1865* **3 Credits**
- HIST 2233 - United States History Since 1865* **3 Credits**
- POLS 1113 - American National Government* **3 Credits**
Select one of the following courses:
- HIST 2253 - World Civilization To 1500* **3 Credits**
- HIST 2263 - World Civilization Since 1500* **3 Credits**

SOCIAL SCIENCES - 3 CREDIT HOURS

Select one of the following courses:

- ANTH 1113 - General Anthropology* **3 Credits**
- ECON 2213 - Microeconomics* **3 Credits**
- GEOG 1103 - Introduction To Geography* **3 Credits**
- PSYC 1103 - General Psychology* **3 Credits**
- SOC 1103 - Introduction To Sociology* **3 Credits**

LAB SCIENCES - 8 CREDIT HOURS

- BIOL 1114 - General Biology* **4 Credits**
- CHEM 1204 - General Chemistry I* **4 Credits**

Medical Laboratory Science Core - 23 Credit Hours

- BIOL 1114 - General Biology* **4 Credits**
- BIOL 2244 - Microbiology* **4 Credits**
- CHEM 2204 - General Chemistry II* **4 Credits**
- CHEM 2611 - Organic Chemistry I Lab **1 Credits**
- CHEM 2613 - Organic Chemistry I **3 Credits**
- CHEM 2621 - Organic Chemistry II Lab **1 Credits**
- CHEM 2623 - Organic Chemistry II **3 Credits**
- MATH 1293 - Introduction To Statistics* **3 Credits**

NPC Required Courses - 2 Credit Hours

- PE 1102 - Life Fitness Concepts **2 Credits**
- MUS 1451 - National Park College Singers I **1 Credits**
- PE Any 1 CH - PE Course **1 Credits**

60 Total Program Hours

* Denotes NPC courses included in the Arkansas Course Transfer System (ACTS)

Remaining Courses to be Completed at SAU

Communication

Advertising, ASLAS for Transfer to HU (Harding University) BA in Advertising

About This Degree

This curriculum* is designed for persons who plan to obtain an Associate of Science in Liberal Arts and Sciences (ASLAS) degree at National Park College (NPC) and transfer to the Harding University (HU) to complete a Bachelor's degree.

Start Here / Finish There

NPC Faculty Mentor: Roger Fox (Roger.Fox@np.edu) 501.760.4270

Prerequisite courses and/or developmental courses may need to be taken in addition to this suggested plan of study.

NPU Transfer Resources: • Transfer 101 • Transfer Checklists • Transfer FAQ

Additional HSU admittance requirements for this program:

- HU will maintain exclusive responsibility for admission
- The student must meet all criteria required for undergraduate admission to HU.
- The student will have earned the Associate of Science in Liberal Arts and Sciences at NPC, with at least a 2.0 cumulative grade point average
- Students must meet all degree-specific criteria to be admitted to a degree program that requires admission.

HU Transfer Admission information and policies

Contact the NPU Transfer Center Coordinator for special HU Transfer Scholarship information for NPC transfer students

Required Courses

Advertising for Transfer to HU BA in Advertising

60 Total Program Hours

Communication Studies, ASLAS for Transfer to ASUJ BA in Communication Studies

About This Degree

This curriculum* is designed for persons who plan to obtain an Associate of Science in Liberal Arts and Sciences (ASLAS) degree at National Park College (NPC) and transfer to the Arkansas State University-Jonesboro (ASUJ) to complete a Bachelor's degree.

Start Here / Finish There

NPC Faculty Mentor: Roger Fox (Roger.Fox@np.edu) 501.760.4270

Prerequisite courses and/or developmental courses may need to be taken in addition to this suggested plan of study.

NPU Transfer Resources: • Transfer 101 • Transfer Checklists • Transfer FAQ

Additional ASUJ admittance requirements for this program:

- The student must complete the requirements necessary for general admission to ASUJ as well as specific admission to the ASUJ Bachelor of Arts in Communication Studies program
- The student will have earned the Associate of Science in Liberal Arts and Sciences at NPC
- Admission requirements for students who transfer pursuant to this Agreement will be determined in the same manner as if their initial enrollment had been at ASUJ

ASUJ Transfer Admission information and policies

ASUJ Transfer Scholarship information and policies

Required Courses

Communication Studies for Transfer to ASUJ BA in Communication Studies

60 Total Program Hours

Communication Studies, ASLAS for Transfer to HU (Harding University) BA in Communication Studies

About This Degree

This curriculum* is designed for persons who plan to obtain an Associate of Science in Liberal Arts and Sciences (ASLAS) degree at National Park College (NPC) and transfer to the Harding University (HU) to complete a Bachelor's degree.

Start Here / Finish There

NPC Faculty Mentor: Roger Fox (Roger.Fox@np.edu) 501.760.4270

Prerequisite courses and/or developmental courses may need to be taken in addition to this suggested plan of study.

NPU Transfer Resources: • Transfer 101 • Transfer Checklists • Transfer FAQ

Additional HSU admittance requirements for this program:

- HU will maintain exclusive responsibility for admission
- The student must meet all criteria required for undergraduate admission to HU.
- The student will have earned the Associate of Science in Liberal Arts and Sciences at NPC, with at least a 2.0 cumulative grade point average
- Students must meet all degree-specific criteria to be admitted to a degree program that requires admission.

HU Transfer Admission information and policies

Contact the NPU Transfer Center Coordinator for special HU Transfer Scholarship information for NPC transfer students

Required Courses

Communication Studies for Transfer to HU BA in Communication Studies

English, ASLAS for Transfer to ASUJ BA in English

About This Degree

This curriculum* is designed for persons who plan to obtain an Associate of Science in Liberal Arts and Sciences (ASLAS) degree at National Park College (NPC) and transfer to the Arkansas State University-Jonesboro (ASUJ) to complete a Bachelor's degree.

Start Here / Finish There

NPC Faculty Mentor: Roger Fox (Roger.Fox@np.edu) 501.760.4270

Prerequisite courses and/or developmental courses may need to be taken in addition to this suggested plan of study.

NPU Transfer Resources: • Transfer 101 • Transfer Checklists • Transfer FAQ

Additional ASUJ admittance requirements for this program:

- The student must complete the requirements necessary for general admission to ASUJ as well as specific admission to the ASUJ Bachelor of Arts in Communication Studies program
- The student will have earned the Associate of Science in Liberal Arts and Sciences at NPC
- Admission requirements for students who transfer pursuant to this Agreement will be determined in the same manner as if their initial enrollment had been at ASUJ

ASUJ Transfer Admission information and policies

ASUJ Transfer Scholarship information and policies

Required Courses

English for Transferr to ASUJ BA in English

60 Total Program Hours

Film, ASLAS for Transfer to HU (Harding University) BA in Film

About This Degree

This curriculum* is designed for persons who plan to obtain an Associate of Science in Liberal Arts and Sciences (ASLAS) degree at National Park College (NPC) and transfer to the Harding University (HU) to complete a Bachelor's degree.

Start Here / Finish There

NPC Faculty Mentor: Roger Fox (Roger.Fox@np.edu) 501.760.4270

Prerequisite courses and/or developmental courses may need to be taken in addition to this suggested plan of study.

NPU Transfer Resources: • Transfer 101 • Transfer Checklists • Transfer FAQ

Additional HSU admittance requirements for this program:

- HU will maintain exclusive responsibility for admission
- The student must meet all criteria required for undergraduate admission to HU.
- The student will have earned the Associate of Science in Liberal Arts and Sciences at NPC, with at least a 2.0 cumulative grade point average
- Students must meet all degree-specific criteria to be admitted to a degree program that requires admission.

HU Transfer Admission information and policies

Contact the NPU Transfer Center Coordinator for special HU Transfer Scholarship information for NPC transfer students

Required Courses

Film for Transfer to HU BA in Film

60 Total Program Hours

Integrated Marketing Communication, ASLAS for Transfer to HU (Harding University) BA in Integrated Marketing Communication

About This Degree

This curriculum* is designed for persons who plan to obtain an Associate of Science in Liberal Arts and Sciences (ASLAS) degree at National Park College (NPC) and transfer to the Harding University (HU) to complete a Bachelor's degree.

Start Here / Finish There

NPC Faculty Mentor: Roger Fox (Roger.Fox@np.edu) 501.760.4270

Prerequisite courses and/or developmental courses may need to be taken in addition to this suggested plan of study.

NPU Transfer Resources: • Transfer 101 • Transfer Checklists • Transfer FAQ

Additional HSU admittance requirements for this program:

- HU will maintain exclusive responsibility for admission
- The student must meet all criteria required for undergraduate admission to HU.
- The student will have earned the Associate of Science in Liberal Arts and Sciences at NPC, with at least a 2.0 cumulative grade point average

- Students must meet all degree-specific criteria to be admitted to a degree program that requires admission.

HU Transfer Admission information and policies

Contact the NPU Transfer Center Coordinator for special HU Transfer Scholarship information for NPC transfer students

Required Courses

Integrated Marketing Communication for Transfer to HU BA in Integrated Marketing Communication

60 Total Program Hours

Media Production, ASLAS for Transfer to HU (Harding University) BA in Media Production

About This Degree

This curriculum* is designed for persons who plan to obtain an Associate of Science in Liberal Arts and Sciences (ASLAS) degree at National Park College (NPC) and transfer to the Harding University (HU) to complete a Bachelor's degree.

Start Here / Finish There

NPC Faculty Mentor: Roger Fox (Roger.Fox@np.edu) 501.760.4270

Prerequisite courses and/or developmental courses may need to be taken in addition to this suggested plan of study.

NPU Transfer Resources: • Transfer 101 • Transfer Checklists • Transfer FAQ

Additional HSU admittance requirements for this program:

- HU will maintain exclusive responsibility for admission
- The student must meet all criteria required for undergraduate admission to HU.
- The student will have earned the Associate of Science in Liberal Arts and Sciences at NPC, with at least a 2.0 cumulative grade point average
- Students must meet all degree-specific criteria to be admitted to a degree program that requires admission.

HU Transfer Admission information and policies

Contact the NPU Transfer Center Coordinator for special HU Transfer Scholarship information for NPC transfer students

Required Courses

Media Production for Transfer to HU BA in Media Production

60 Total Program Hours

Multimedia Journalism, ASLAS for Transfer to HU (Harding University) BA in Multimedia Journalism

About This Degree

This curriculum* is designed for persons who plan to obtain an Associate of Science in Liberal Arts and Sciences (ASLAS) degree at National Park College (NPC) and transfer to the Harding University (HU) to complete a Bachelor's degree.

Start Here / Finish There

NPC Faculty Mentor: Roger Fox (Roger.Fox@np.edu) 501.760.4270

Prerequisite courses and/or developmental courses may need to be taken in addition to this suggested plan of study.

NPU Transfer Resources: • Transfer 101 • Transfer Checklists • Transfer FAQ

Additional HSU admittance requirements for this program:

- HU will maintain exclusive responsibility for admission
- The student must meet all criteria required for undergraduate admission to HU.
- The student will have earned the Associate of Science in Liberal Arts and Sciences at NPC, with at least a 2.0 cumulative grade point average
- Students must meet all degree-specific criteria to be admitted to a degree program that requires admission.

HU Transfer Admission information and policies

Contact the NPU Transfer Center Coordinator for special HU Transfer Scholarship information for NPC transfer students

Required Courses

Multimedia Production for Transfer to HU BA in Multimedia Production

60 Total Program Hours

Public Relations, ASLAS for Transfer to HU (Harding University) BA in Public Relations

About This Degree

This curriculum* is designed for persons who plan to obtain an Associate of Science in Liberal Arts and Sciences (ASLAS) degree at National Park College (NPC) and transfer to the Harding University (HU) to complete a Bachelor's degree.

Start Here / Finish There

NPC Faculty Mentor: Roger Fox (Roger.Fox@np.edu) 501.760.4270

Prerequisite courses and/or developmental courses may need to be taken in addition to this suggested plan of study.

NPU Transfer Resources: • Transfer 101 • Transfer Checklists • Transfer FAQ

Additional HSU admittance requirements for this program:

- HU will maintain exclusive responsibility for admission
- The student must meet all criteria required for undergraduate admission to HU.
- The student will have earned the Associate of Science in Liberal Arts and Sciences at NPC, with at least a 2.0 cumulative grade point average
- Students must meet all degree-specific criteria to be admitted to a degree program that requires admission.

HU Transfer Admission information and policies

Contact the NPU Transfer Center Coordinator for special HU Transfer Scholarship information for NPC transfer students

Required Courses

Public Relations for Transfer to HU BA in Public Relations

60 Total Program Hours

Strategic Communication, ASLAS for Transfer to ASUJ BA in Strategic Communications

About This Degree

This curriculum* is designed for persons who plan to obtain an Associate of Science in Liberal Arts and Sciences (ASLAS) degree at National Park College (NPC) and transfer to the Arkansas State University-Jonesboro (ASUJ) to complete a Bachelor's degree.

Start Here / Finish There

NPC Faculty Mentor: Roger Fox (Roger.Fox@np.edu) 501.760.4270

Prerequisite courses and/or developmental courses may need to be taken in addition to this suggested plan of study.

NPU Transfer Resources: • Transfer 101 • Transfer Checklists • Transfer FAQ

Additional ASUJ admittance requirements for this program:

- The student must complete the requirements necessary for general admission to ASUJ as well as specific admission to the ASUJ Bachelor of Arts in Communication Studies program
- The student will have earned the Associate of Science in Liberal Arts and Sciences at NPC
- Admission requirements for students who transfer pursuant to this Agreement will be determined in the same manner as if their initial enrollment had been at ASUJ

ASUJ Transfer Admission information and policies

ASUJ Transfer Scholarship information and policies

Required Courses

Strategic Communication for Transferr to ASUJ BA in Strategic Communication

60 Total Program Hours

Computer Science and Networking

Computer Networking, AAS

The first year of the Computer Networking program at NPC is designed to prepare students to work in the field of Information Technology (IT) where they will be responsible for providing support to computer users employing skills in building, troubleshooting, and repair of Personal Computers (PC) at the hardware level and at the Operating System (OS) level. In addition, students will learn the basics of creating, configuring, troubleshooting, and repairing networks employing skills in setup and configuration of servers using the latest MS Windows Server OS, configuration of network routers and switches, and employing basic security measures to protect the integrity of those computers, networks, and servers from viruses, malware, and other malicious attacks. Creating network cables is included in this first year as well as virtualization of computers and servers with lots of hands-on experience in the classroom and online. This completes the first year where the students will complete the Technical Certificate in Computer Networking. The first and second semester will each include a Microsoft fundamentals and Windows client certification exam as their final.

The second year of the Computer Networking program will focus on installation, configuration, and administration of the Windows Server operating system. They will also focus on advanced routing and switching configurations. The last semester will focus on the design of networks, security, and server deployments to create a fully functional network in small, medium, and enterprise-level companies. After completing all four semesters the students will achieve an Associate of Applied Science in Computer Networking. The third semester will include a Microsoft Server certification exam as their final.

This program is offered both online and on-campus blended formats which include preparation for several certifications in Microsoft Certified Professional, CompTIA Certified IT Professional and Cisco Certified Network Associate. We recommend and most students prefer to be on campus in the classroom but when students need to complete this program completely online, in most cases, accommodations could be made for that.

NPC Business Division Graduation Requirement

A cumulative average of C (2.0) is required for graduation for all NPC programs. In addition, in order to graduate with any Business Division degree or certificate, all Business Division courses must be passed with a grade of "C" or better.

General Education Core - 15 Credit Hours

- ORT 1000 - Student LMS Training **0 Credits**
- ORT 1100 - NPC Orientation **0 Credits**
- **ENGLISH/COMMUNICATION - 6 CREDIT HOURS**
- ENG 1113 - English Composition I* **3 Credits**
- ENG 1123 - English Composition II* **3 Credits**
- **COMPUTER LITERACY - 3 CREDIT HOURS**
- CIS 1013 - Information Systems **3 Credits**
- **MATHEMATICS - 3 CREDIT HOURS**
- *Select one of the following courses:*
- MATH 1213 - Quantitative Literacy* **3 Credits**
- MATH 1123 - College Algebra* **3 Credits**
- **HISTORY/GOVERNMENT/SOCIAL SCIENCES - 3 CREDIT HOURS**
- *Select one of the following courses:*
- HIST 2223 - United States History To 1865* **3 Credits**
- HIST 2233 - United States History Since 1865* **3 Credits**
- POLS 1113 - American National Government* **3 Credits**
- PSYC 1103 - General Psychology* **3 Credits**
- SOC 1103 - Introduction To Sociology* **3 Credits**

Computer Networking Core - 47 Credit Hours

- BUS 1113 - Introduction To Business** **3 Credits**
- CIS 1813 - Computer Law & Ethics **3 Credits**
- CIS 1201 - Computer Math **1 Credits**
- CIS 1033 - Computer Science I **3 Credits**
- CIS 1031 - Computer Science I Lab **1 Credits**
- CIS 1233 - Windows Operating System Fundamentals **3 Credits**
- CIS 1243 - PC Hardware Maintenance 1 **3 Credits**
- CIS 1613 - Network Pro **3 Credits**
- CIS 1623 - Security Pro **3 Credits**
- CIS 2113 - Server and Networking Fundamentals **3 Credits**
- CIS 2143 - PC Hardware Maintenance 2 **3 Credits**
- CIS 2183 - Windows Client OS **3 Credits**
- CIS 2413 - Network Design **3 Credits**
- CIS 2613 - Server I **3 Credits**
- CIS 2623 - Server II **3 Credits**
- CIS 2663 - Routing & Switching **3 Credits**
- CIS 2953 - Networking Internship **3 Credits**

62 Credit Hours Total

Purpose of AAS Degree

The Associate of Applied Science Degree is designed for employment purposes, and it should not be assumed that the degree or the courses in the degree can be transferred to another institution. While some institutions do accept some courses in AAS Programs, the general rule is that courses in AAS Degrees are not accepted in transfer toward bachelor's degrees. Students to whom transfer is important should get assurances in writing in advance from the institution to which they wish to transfer.

Computer Networking, AAS for Transfer to UAFS BAS (Emphasis - Management & Leadership)

About This Degree

National Park College (NPC) students who have completed an Associate of Applied Science (AAS)* degree may transfer into the Bachelor of Applied Science (BAS) degree program at the University of Arkansas at Ft. Smith (UAFS). This degree provides students with the skills and knowledge necessary to either assume management and leadership roles in business and industry or to enhance current employment. **The BAS degree is not specific to any NPC program area or concentration.**

This degree requires a total of 120 semester credit hours, including at least 40 upper-level credit hours completed at UAFS. NPC students may transfer 75 hours of lower-level courses to UAFS.

Start Here / Finish Online

NPC Mentor: Jennifer Lyons (Jennifer.Lyons@np.edu) 501.760.4256

Prerequisite courses and/or developmental courses may need to be taken in addition to this suggested plan of study.

NPU Transfer Resources: • Transfer 101 • Transfer Checklists • Transfer FAQ

NPC-to-UAFS Pre-Graduation Transfer Degree Checklist

NPC-to-UAFS Post-Graduation Transfer Degree Checklist

UAFS Admissions Requirements

Students must have a 2.0 (on a 4.0 scale) cumulative GPA on all previous coursework to be eligible for admission to UAFS.

*The curriculum prepares you for licensure/certification in Arkansas.

General Education Core - 15 Credit Hours

- ORT 1000 - Student LMS Training **0 Credits**
- ORT 1100 - NPC Orientation **0 Credits**
- ENGLISH/COMMUNICATION - 6 CREDIT HOURS**
- ENG 1113 - English Composition I* **3 Credits**
- ENG 1123 - English Composition II* **3 Credits**
- COMPUTER LITERACY - 3 CREDIT HOURS**
- CIS 1013 - Information Systems **3 Credits**
- MATHEMATICS - 3 CREDIT HOURS**
- Select one of the following courses:*
- MATH 1213 - Quantitative Literacy* **3 Credits**
- MATH 1123 - College Algebra* **3 Credits**
- HISTORY/GOVERNMENT/SOCIAL SCIENCES - 3 CREDIT HOURS**
- Select one of the following courses:*
- HIST 2223 - United States History To 1865* **3 Credits**
- HIST 2233 - United States History Since 1865* **3 Credits**

- POLS 1113 - American National Government* **3 Credits**
- PSYC 1103 - General Psychology* **3 Credits**
- SOC 1103 - Introduction To Sociology* **3 Credits**

Computer Networking Core - 47 Credit Hours

- BUS 1113 - Introduction To Business** **3 Credits**
- CIS 1813 - Computer Law & Ethics **3 Credits**
- CIS 1201 - Computer Math **1 Credits**
- CIS 1033 - Computer Science I **3 Credits**
- CIS 1031 - Computer Science I Lab **1 Credits**
- CIS 1233 - Windows Operating System Fundamentals **3 Credits**
- CIS 1243 - PC Hardware Maintenance 1 **3 Credits**
- CIS 1613 - Network Pro **3 Credits**
- CIS 1623 - Security Pro **3 Credits**
- CIS 2113 - Server and Networking Fundamentals **3 Credits**
- CIS 2143 - PC Hardware Maintenance 2 **3 Credits**
- CIS 2183 - Windows Client OS **3 Credits**
- CIS 2413 - Network Design **3 Credits**
- CIS 2613 - Server I **3 Credits**
- CIS 2623 - Server II **3 Credits**
- CIS 2663 - Routing & Switching **3 Credits**
- CIS 2953 - Networking Internship **3 Credits**

62 Credit Hours Total

Additional Hours

Contact your Academic Advisor for assistance

UAFS recognizes 49 NPC credit hours from this Associate of Applied Science degree.

UAFS will also accept 26 additional hours from courses listed below taken at NPC for a maximum of 75 transferable hours. These courses may also be taken at UAFS (campus or online, if available).

8 hours Lab Sciences

If you choose to take a Lab Science class online, please note:

- NPC courses may require up to two on-campus lab meetings each semester
- UAFS course lectures are available online, but all related lab sessions meet on campus

Select two of the following courses:

- BIOL 1114 - General Biology* **4 Credits**
- BIOL 2224 - Anatomy & Physiology I* **4 Credits**
- BIOL 2244 - Microbiology* **4 Credits**
- CHEM 1104 - Chemistry For Non-Majors* **4 Credits**
- CHEM 1204 - General Chemistry I* **4 Credits**
- ESCI 1104 - Earth Science* **4 Credits**
- GEOL 1104 - Physical Geology* **4 Credits**
- PHYS 1114 - Physical Science* **4 Credits**
- PHYS 1204 - General Physics I* **4 Credits**

18 hours selected from the following courses which may be taken at NPC (campus or online if available) or at UAFS (campus or online)

MATHEMATICS - 3 CREDIT HOURS

Select one of the following courses:

- BUS 2123 - Business Statistics** **3 Credits**
- MATH 1133 - Trigonometry* **3 Credits**
- MATH 1293 - Introduction To Statistics* **3 Credits**
- BUS 2213 - Business Calculus **3 Credits**

ORAL COMMUNICATION - 3 CREDIT HOURS

- SPCH 1103 - Fundamentals of Public Speaking* **3 Credits**

FINE ARTS - 3 CREDIT HOURS

Select one of the following courses:

- ART 1593 - Art Appreciation* **3 Credits**
- MUS 1213 - Music Appreciation* **3 Credits**
- SPAN 1103 - Beginning Spanish I* **3 Credits**

Also accepted: PHIL 1123 Introduction to Philosophy

HUMANITIES - 3 CREDIT HOURS

Select one of the following courses:

- ENG 2223 - American Literature I* **3 Credits**
- ENG 2233 - American Literature II* **3 Credits**
- ENG 2273 - World Literature I* **3 Credits**
- ENG 2283 - World Literature II* **3 Credits**

Also accepted: PHIL 1123 Introduction to Philosophy

HISTORY/GOVERNMENT/SOCIAL SCIENCES - 6 CREDIT HOURS

UAFS will accept from NPC a total of nine credit hours in History/Government/Social Studies.

Option 1

You completed PSYC 1103 General Psychology, SOC 1103 Introduction to Sociology, or a World History course as part of your AAS.

Select one of the following courses:

- HIST 2223 - United States History To 1865* **3 Credits**
- HIST 2233 - United States History Since 1865* **3 Credits**
- POLS 1113 - American National Government* **3 Credits**

Select one of the following courses:

- ANTH 1113 - General Anthropology* **3 Credits**
- ECON 2203 - Macroeconomics* **3 Credits**
- ECON 2213 - Microeconomics* **3 Credits**
- HIST 2253 - World Civilization To 1500* **3 Credits**
- HIST 2263 - World Civilization Since 1500* **3 Credits**
- POLS 1123 - American State And Local Government* **3 Credits**
- SOC 2203 - Social Problems* **3 Credits**

Option 2

You completed American National Government or a US History course as part of your AAS.

Select two of the following courses:

- ANTH 1113 - General Anthropology* **3 Credits**
- ECON 2203 - Macroeconomics* **3 Credits**

- ECON 2213 - Microeconomics* **3 Credits**
- HIST 2253 - World Civilization To 1500* **3 Credits**
- HIST 2263 - World Civilization Since 1500* **3 Credits**
- POLS 1123 - American State And Local Government* **3 Credits**
- PSYC 1103 - General Psychology* **3 Credits**
- SOC 1103 - Introduction To Sociology* **3 Credits**
- SOC 2203 - Social Problems* **3 Credits**

Remaining Courses to be Completed at UAFS

Computer Networking, TC

NPC Business Division Graduation Requirement

A cumulative average of C (2.0) is required for graduation for all NPC programs. In addition, in order to graduate with any Business Division degree or certificate, all Business Division courses must be passed with a grade of "C" or better.

General Education Core - 6 Credit Hours

- ORT 1100 - NPC Orientation **0 Credits**
- ORT 1000 - Student LMS Training **0 Credits**
- **ENGLISH/COMMUNICATION - 3 CREDIT HOURS**
- ENG 1113 - English Composition I* **3 Credits**
- **MATHEMATICS - 3 CREDIT HOURS**
- *Select one of the following courses:*
- MATH 1123 - College Algebra* **3 Credits**
- MATH 1213 - Quantitative Literacy* **3 Credits**

Computer Networking Core - 25 Credit Hours

- CIS 1013 - Information Systems **3 Credits**
- CIS 1201 - Computer Math **1 Credits**
- CIS 1613 - Network Pro **3 Credits**
- CIS 1623 - Security Pro **3 Credits**
- CIS 1233 - Windows Operating System Fundamentals **3 Credits**
- CIS 1243 - PC Hardware Maintenance 1 **3 Credits**
- CIS 2113 - Server and Networking Fundamentals **3 Credits**
- CIS 2143 - PC Hardware Maintenance 2 **3 Credits**
- CIS 2183 - Windows Client OS **3 Credits**

31 Credit Hours Total

Computer Science, AS-STEM for Transfer to SAU at NPC BS in Computer Science (General)

About This Degree

This curriculum is designed for persons who plan to obtain an Associate of Science in Liberal Arts and Sciences (ASLAS) degree at National Park College (NPC), complete upper-level SAU courses at NPC, and receive a Bachelor's degree from SAU.

Start Here / Finish Here

NPC Faculty Mentor: Rodney Ivers (Rodney.Ivers@np.edu) 501.760.4251

NPC to SAU Transition Coordinator: Anne Benoit (Anne.Benoit@np.edu) 501.760.4373

Prerequisite courses and/or developmental courses may need to be taken in addition to this suggested plan of study.

NPC Business Division Graduation Requirement: A cumulative average of C (2.0) is required for graduation for all NPC programs. In addition, in order to graduate with any Business Division degree or certificate, all Business Division courses must be passed with a grade of "C" or better.

NPU Transfer Resources: • Transfer 101 • Transfer Checklists • Transfer FAQ

SAU Transfer Admission information and policies

Additional SAU admission requirements for this program:

- The student must complete the requirements necessary for general admission to SAU
- The student will have earned the Associate of Science in Liberal Arts and Sciences at NPC with a minimum 2.00 cumulative grade point average in general education courses, and at least a 3.00 cumulative grade point average in Computer Science (CIS) courses
- Degree program admission requirements will be determined in the same manner as if their initial enrollment had been at SAU.

SAU Transfer Scholarship information and policies

General Education Core - 35 Credit Hours

- ORT 1000 - Student LMS Training **0 Credits**
- ORT 1100 - NPC Orientation **0 Credits**

ENGLISH - 6 CREDIT HOURS

- ENG 1113 - English Composition I* **3 Credits**
- ENG 1123 - English Composition II* **3 Credits**

MATHEMATICS - 3 CREDIT HOURS

- MATH 1133 - Trigonometry* **3 Credits**

LAB SCIENCES - 8 CREDIT HOURS

- BIOL 1114 - General Biology* **4 Credits**
- PHYS 1204 - General Physics I* **4 Credits**

FINE ARTS/HUMANITIES - 9 CREDIT HOURS

Select one of the following courses:

- ART 1593 - Art Appreciation* **3 Credits**
- MUS 1213 - Music Appreciation* **3 Credits**

Select one of the following courses:

- ENG 2273 - World Literature I* **3 Credits**
- ENG 2283 - World Literature II* **3 Credits**

Select one of the following courses:

- FREN 1103 - Beginning French I* **3 Credits**
- SPAN 1103 - Beginning Spanish I* **3 Credits**

HISTORY - 6 CREDIT HOURS

Select one of the following courses:

- HIST 2223 - United States History To 1865* **3 Credits**
- HIST 2233 - United States History Since 1865* **3 Credits**
- POLS 1113 - American National Government* **3 Credits**
Select one of the following courses:
- HIST 2253 - World Civilization To 1500* **3 Credits**
- HIST 2263 - World Civilization Since 1500* **3 Credits**

SOCIAL SCIENCES - 3 CREDIT HOURS

Select one of the following courses:

- ECON 2203 - Macroeconomics* **3 Credits**
- PSYC 1103 - General Psychology* **3 Credits**
- SOC 1103 - Introduction To Sociology* **3 Credits**

Computer Science Core - 29 Credit Hours

- CIS 1033 - Computer Science I **3 Credits**
- CIS 1031 - Computer Science I Lab **1 Credits**
- CIS 1043 - Computer Science II **3 Credits**
- CIS 1041 - Computer Science II Lab **1 Credits**
- CIS 2533 - Data Structures and Algorithms **3 Credits**
- CIS 2543 - Assembler and Machine Organization **3 Credits**
- CIS 2553 - Computer Architecture **3 Credits**
- MATH 2214 - Calculus I* **4 Credits**
- MATH 2224 - Calculus II* **4 Credits**
- PHYS 2204 - General Physics II* **4 Credits**

64 Total Program Hours

* Denotes NPC courses included in the Arkansas Course Transfer System (ACTS)

Remaining SAU Courses to be Completed at NPC

Computer Science, AS-STEM for Transfer to SAU BS in Computer Science - Computer Gaming & Animation Design

About This Degree

This curriculum is designed for persons who plan to obtain an Associate of Science in Liberal Arts and Sciences (ASLAS) degree at National Park College (NPC) and transfer to Southern Arkansas University to complete a Bachelor's degree.

Start Here / Finish There

NPC Faculty Mentor: Rodney Ivers (Rodney.Ivers@np.edu) 501.760.4251

Prerequisite courses and/or developmental courses may need to be taken in addition to this suggested plan of study.

NPC Business Division Graduation Requirement: A cumulative average of C (2.0) is required for graduation for all NPC programs. In addition, in order to graduate with any Business Division degree or certificate, all Business Division courses must be passed with a grade of "C" or better.

NPU Transfer Resources: • Transfer 101 • Transfer Checklists • Transfer FAQ

SAU Transfer Admission information and policies

Additional SAU admission requirements for this program:

- The student must complete the requirements necessary for general admission to SAU
- The student will have earned the Associate of Science in Liberal Arts and Sciences at NPC with a minimum 2.00 cumulative grade point average in general education courses, and at least a 3.00 cumulative grade point average in Computer Science (CSI) courses
- Degree program admission requirements will be determined in the same manner as if their initial enrollment had been at SAU.

SAU Transfer Scholarship information and policies

General Education Core - 35 Credit Hours

- ORT 1000 - Student LMS Training **0 Credits**
- ORT 1100 - NPC Orientation **0 Credits**

ENGLISH - 6 CREDIT HOURS

- ENG 1113 - English Composition I* **3 Credits**
- ENG 1123 - English Composition II* **3 Credits**

MATHEMATICS - 3 CREDIT HOURS

- MATH 1133 - Trigonometry* **3 Credits**

LAB SCIENCES - 8 CREDIT HOURS

- BIOL 1114 - General Biology* **4 Credits**
- PHYS 1204 - General Physics I* **4 Credits**

FINE ARTS/HUMANITIES - 9 CREDIT HOURS

Select one of the following courses:

- ART 1593 - Art Appreciation* **3 Credits**
- MUS 1213 - Music Appreciation* **3 Credits**

Select one of the following courses:

- ENG 2273 - World Literature I* **3 Credits**
- ENG 2283 - World Literature II* **3 Credits**

Select one of the following courses:

- FREN 1103 - Beginning French I* **3 Credits**
- SPAN 1103 - Beginning Spanish I* **3 Credits**

HISTORY - 6 CREDIT HOURS

Select one of the following courses:

- HIST 2223 - United States History To 1865* **3 Credits**
- HIST 2233 - United States History Since 1865* **3 Credits**
- POLS 1113 - American National Government* **3 Credits**

Select one of the following courses:

- HIST 2253 - World Civilization To 1500* **3 Credits**
- HIST 2263 - World Civilization Since 1500* **3 Credits**

SOCIAL SCIENCES - 3 CREDIT HOURS

Select one of the following courses:

- ECON 2203 - Macroeconomics* **3 Credits**

- PSYC 1103 - General Psychology* **3 Credits**
- SOC 1103 - Introduction To Sociology* **3 Credits**

Computer Gaming Core - 32 Credit Hours

- CIS 1033 - Computer Science I **3 Credits**
- CIS 1031 - Computer Science I Lab **1 Credits**
- CIS 1043 - Computer Science II **3 Credits**
- CIS 1041 - Computer Science II Lab **1 Credits**
- CIS 2003 - Games Development **3 Credits**
- CIS 2533 - Data Structures and Algorithms **3 Credits**
- CIS 2543 - Assembler and Machine Organization **3 Credits**
- CIS 2553 - Computer Architecture **3 Credits**
- MATH 2214 - Calculus I* **4 Credits**
- MATH 2224 - Calculus II* **4 Credits**
- PHYS 2204 - General Physics II* **4 Credits**

67 Total Program Hours

See the NPU Transfer Coordinator for degree and graduation information.

Remaining Courses to be Completed at SAU

Computer Science, AS-STEM for Transfer to SAU BS in Computer Science - Cyber Security & Privacy

About This Degree

This curriculum is designed for persons who plan to obtain an Associate of Science in Liberal Arts and Sciences (ASLAS) degree at National Park College (NPC) and transfer to Southern Arkansas University to complete a Bachelor's degree.

Start Here / Finish There

NPC Faculty Mentor: Rodney Ivers (Rodney.Ivers@np.edu) 501.760.4251

Prerequisite courses and/or developmental courses may need to be taken in addition to this suggested plan of study.

NPC Business Division Graduation Requirement: A cumulative average of C (2.0) is required for graduation for all NPC programs. In addition, in order to graduate with any Business Division degree or certificate, all Business Division courses must be passed with a grade of "C" or better.

NPU Transfer Resources: • Transfer 101 • Transfer Checklists • Transfer FAQ

SAU Transfer Admission information and policies

Additional SAU admission requirements for this program:

- The student must complete the requirements necessary for general admission to SAU
- The student will have earned the Associate of Science in Liberal Arts and Sciences at NPC with a minimum 2.00 cumulative grade point average in general education courses, and at least a 3.00 cumulative grade point average in Computer Science (CSI) courses
- Degree program admission requirements will be determined in the same manner as if their initial enrollment had been at SAU.

SAU Transfer Scholarship information and policies

General Education Core - 35 Credit Hours

- ORT 1000 - Student LMS Training **0 Credits**
- ORT 1100 - NPC Orientation **0 Credits**

ENGLISH - 6 CREDIT HOURS

- ENG 1113 - English Composition I* **3 Credits**
- ENG 1123 - English Composition II* **3 Credits**

MATHEMATICS - 3 CREDIT HOURS

- MATH 1133 - Trigonometry* **3 Credits**

LAB SCIENCES - 8 CREDIT HOURS

- BIOL 1114 - General Biology* **4 Credits**
- PHYS 1204 - General Physics I* **4 Credits**

FINE ARTS/HUMANITIES - 9 CREDIT HOURS

Select one of the following courses:

- ART 1593 - Art Appreciation* **3 Credits**
- MUS 1213 - Music Appreciation* **3 Credits**

Select one of the following courses:

- ENG 2273 - World Literature I* **3 Credits**
- ENG 2283 - World Literature II* **3 Credits**

Select one of the following courses:

- FREN 1103 - Beginning French I* **3 Credits**
- SPAN 1103 - Beginning Spanish I* **3 Credits**

HISTORY - 6 CREDIT HOURS

Select one of the following courses:

- HIST 2223 - United States History To 1865* **3 Credits**
- HIST 2233 - United States History Since 1865* **3 Credits**
- POLS 1113 - American National Government* **3 Credits**

Select one of the following courses:

- HIST 2253 - World Civilization To 1500* **3 Credits**
- HIST 2263 - World Civilization Since 1500* **3 Credits**

SOCIAL SCIENCES - 3 CREDIT HOURS

Select one of the following courses:

- ECON 2203 - Macroeconomics* **3 Credits**
- PSYC 1103 - General Psychology* **3 Credits**
- SOC 1103 - Introduction To Sociology* **3 Credits**

Cyber Security & Privacy Core - 32 Credit Hours

- CIS 1033 - Computer Science I **3 Credits**
- CIS 1031 - Computer Science I Lab **1 Credits**
- CIS 1043 - Computer Science II **3 Credits**
- CIS 1041 - Computer Science II Lab **1 Credits**
- CIS 2533 - Data Structures and Algorithms **3 Credits**
- CIS 2543 - Assembler and Machine Organization **3 Credits**

- CIS 2553 - Computer Architecture **3 Credits**
- MATH 2103 - Discrete Mathematics **3 Credits**
- MATH 2214 - Calculus I* **4 Credits**
- MATH 2224 - Calculus II* **4 Credits**
- PHYS 2204 - General Physics II* **4 Credits**

Remaining Courses to be Completed at SAU

67 Total Program Hours

* Denotes NPC courses included in the Arkansas Course Transfer System (ACTS)

Criminal Justice

Criminal Justice, AAS

This program* is designed for those who wish to pursue a career in criminal justice. A high percentage of criminal justice students obtain jobs in the field both while they are pursuing their degree and after completion of the program. The degree also serves as a solid base from which to pursue a four-year degree and law school.

NPC Criminal Justice Graduation Requirement

A cumulative average of C (2.0) is required for graduation for all NPC programs. In addition, in order to graduate with any Criminal Justice degree or certificate, all Criminal Justice courses (CRJ-XXXX) must be passed with a grade of "C" or better.

*The curriculum prepares you for licensure/certification in Arkansas.

General Education Core - 27 Credit Hours

- ORT 1000 - Student LMS Training **0 Credits**
- ORT 1100 - NPC Orientation **0 Credits**

ENGLISH - 6 CREDIT HOURS

- ENG 1113 - English Composition I* **3 Credits**
- ENG 1123 - English Composition II* **3 Credits**

COMPUTER LITERACY - 3 CREDIT HOURS

Select one of the following courses:

- CIS 1013 - Information Systems **3 Credits**
- CIS 1023 - Introduction to Computing* **3 Credits**

MATHEMATICS - 3 CREDIT HOURS

Select one of the following courses:

- MATH 1123 - College Algebra* **3 Credits**
- MATH 1213 - Quantitative Literacy* **3 Credits**

SOCIAL SCIENCES - 15 CREDIT HOURS

- POLS 1113 - American National Government* **3 Credits**
- POLS 1123 - American State And Local Government* **3 Credits**
- PSYC 1103 - General Psychology* **3 Credits**
- SOC 1103 - Introduction To Sociology* **3 Credits**
- SOC 2203 - Social Problems* **3 Credits**

Criminal Justice Core - 33 Credit Hours

- CRJ 1133 - Legal Systems & Terminology **3 Credits**
- CRJ 1103 - Introduction To Criminal Justice* **3 Credits**
- CRJ 2114 - Criminalistics **4 Credits**
- CRJ 1123 - Criminal Procedures And Evidence **3 Credits**
- CRJ 2112 - Crime Scene Documentation **2 Credits**
- CRJ 2153 - Criminology **3 Credits**
- CRJ 2243 - Police Organization And Management **3 Credits**
- CRJ 2253 - Criminal Law **3 Credits**
- CRJ 2263 - Juvenile Justice And Delinquency **3 Credits**
- CRJ 2273 - Introduction To Corrections **3 Credits**

Select one of the following courses:

- CRJ 2223 - Police Community Relations **3 Credits**
- CRJ 2283 - Criminal Justice Internship **3 Credits**

60 Total Program Hours

Purpose of AAS Degree

The Associate of Applied Science Degree is designed for employment purposes, and it should not be assumed that the degree or the courses in the degree can be transferred to another institution. While some institutions do accept some courses in AAS Programs, the general rule is that courses in AAS Degrees are not accepted in transfer toward bachelor's degrees. Students to whom transfer is important should get assurances in writing in advance from the institution to which they wish to transfer.

Criminal Justice, AAS for Transfer to UAFS BS in Criminal Justice

About This Degree

This curriculum* is designed for persons who plan to obtain an Associate of Applied Science in Criminal Justice degree at National Park College (NPC) and transfer to the University of Arkansas at Ft. Smith (UAFS) to complete a Bachelor of Science degree in Criminal Justice.

Start Here / Finish There or Online

NPC Faculty Mentor: James Montgomery (James.Montgomery@np.edu) 501.760.4137

Prerequisite courses and/or developmental courses may need to be taken in addition to this suggested plan of study.

NPC Criminal Justice Graduation Requirement

A cumulative average of C (2.0) is required for graduation for all NPC programs. In addition, in order to graduate with any Criminal Justice degree or certificate, all Criminal Justice courses (CRJ-XXXX) must be passed with a grade of "C" or better.

NPU Transfer Resources: • Transfer 101 • Transfer Checklists • Transfer FAQ

NPC-to-UAFS Pre-Graduation Transfer Degree Checklist

NPC-to-UAFS Post-Graduation Transfer Degree Checklist

UAFS Admissions Requirements

Students must have a 2.0 (on a 4.0 scale) cumulative GPA on all previous coursework to be eligible for admission to UAFS.

*The curriculum prepares you for licensure/certification in Arkansas.

General Education Core - 27 Credit Hours

- ORT 1000 - Student LMS Training **0 Credits**
- ORT 1100 - NPC Orientation **0 Credits**

ENGLISH - 6 CREDIT HOURS

- ENG 1113 - English Composition I* **3 Credits**
- ENG 1123 - English Composition II* **3 Credits**

COMPUTER LITERACY - 3 CREDIT HOURS

Select one of the following courses:

- CIS 1013 - Information Systems **3 Credits**
- CIS 1023 - Introduction to Computing* **3 Credits**

MATHEMATICS - 3 CREDIT HOURS

Select one of the following courses:

- MATH 1123 - College Algebra* **3 Credits**
- MATH 1213 - Quantitative Literacy* **3 Credits**

SOCIAL SCIENCES - 15 CREDIT HOURS

- POLS 1113 - American National Government* **3 Credits**
- POLS 1123 - American State And Local Government* **3 Credits**
- PSYC 1103 - General Psychology* **3 Credits**
- SOC 1103 - Introduction To Sociology* **3 Credits**
- SOC 2203 - Social Problems* **3 Credits**

Major Specific Courses - 33 Credit Hours

- CRJ 1103 - Introduction To Criminal Justice* **3 Credits**
- CRJ 1133 - Legal Systems & Terminology **3 Credits**
- CRJ 1123 - Criminal Procedures And Evidence **3 Credits**
- CRJ 2112 - Crime Scene Documentation **2 Credits**
- CRJ 2114 - Criminalistics **4 Credits**
- CRJ 2153 - Criminology **3 Credits**
- CRJ 2243 - Police Organization And Management **3 Credits**
- CRJ 2253 - Criminal Law **3 Credits**
- CRJ 2263 - Juvenile Justice And Delinquency **3 Credits**
- CRJ 2273 - Introduction To Corrections **3 Credits**
- *Select one of the following courses:*
- CRJ 2223 - Police Community Relations **3 Credits**
- CRJ 2283 - Criminal Justice Internship **3 Credits**

60 Total Program Hours

* Denotes NPC courses included in the Arkansas Course Transfer System (ACTS)

Additional Hours

UAFS recognizes 51 of 60 NPC credit hours from this Associate of Applied Science degree. UAFS will also accept 24 additional hours from courses listed below taken at NPC for a maximum of 75 transferable hours. These courses may also be taken at UAFS (campus or online, if available).

8 hours Lab Sciences

If you choose to take a Lab Science class online, please note:

- NPC courses may require up to two on-campus lab meetings each semester
- UAFS course lectures are available online, but all related lab sessions meet on campus

Select two of the following courses:

- BIOL 1114 - General Biology* **4 Credits**
- BIOL 2224 - Anatomy & Physiology I* **4 Credits**
- BIOL 2244 - Microbiology* **4 Credits**
- CHEM 1104 - Chemistry For Non-Majors* **4 Credits**
- CHEM 1204 - General Chemistry I* **4 Credits**
- ESCI 1104 - Earth Science* **4 Credits**
- GEOL 1104 - Physical Geology* **4 Credits**
- PHYS 1114 - Physical Science* **4 Credits**

16 hours selected from the following courses which may be taken at NPC (campus or online if available) or at UAFS (campus or online)

MATHEMATICS - 3 CREDIT HOURS

- MATH 1293 - Introduction To Statistics* **3 Credits**

ORAL COMMUNICATION - 3 CREDIT HOURS

- SPCH 1103 - Fundamentals of Public Speaking* **3 Credits**

FOREIGN LANGUAGE - 3 CREDIT HOURS

- SPAN 1103 - Beginning Spanish I* **3 Credits**

FINE ARTS - 3 CREDIT HOURS

Select one of the following courses:

- ART 1593 - Art Appreciation* **3 Credits**
- MUS 1213 - Music Appreciation* **3 Credits**

HUMANITIES - 3 CREDIT HOURS

Select one of the following courses:

- ENG 2223 - American Literature I* **3 Credits**
- ENG 2233 - American Literature II* **3 Credits**
- ENG 2273 - World Literature I* **3 Credits**
- ENG 2283 - World Literature II* **3 Credits**

ELECTIVE - 1 CREDIT HOUR

In addition to any course listed in ACTS, UAFS has agreed to accept a one-hour NPC PE course for this requirement.

- Elective 0001 - Elective **1 Credits**

Remaining Courses to be Completed at UAFS

Criminal Justice, CP

This program is designed as a starting point for those who wish to pursue an Associate of Applied Science degree in Criminal Justice. A high percentage of criminal justice students obtain jobs in the field both while they are pursuing their degree and after completion of the program. The Associate of Applied Science degree also serves as a solid base from which to pursue a four-year degree and law school. If you

plan to transfer to UAFS upon completion of your coursework at NPC, please note the following UAFS requirements.

UAFS Admissions Requirements

Students must have a 2.0 (on a 4.0 scale) cumulative GPA on all previous coursework to be eligible for admission to UAFS. Students must also earn at least a grade of "C" in all Criminal Justice courses applied to the BS degree.

College Required Courses

Required for all new NPC students

- ORT 1000 - Student LMS Training **0 Credits**
- ORT 1100 - NPC Orientation **0 Credits**

Major Specific Courses - 9 Credit Hours Total

- CRJ 1103 - Introduction To Criminal Justice* **3 Credits**
- CRJ 2114 - Criminalistics **4 Credits**
- CRJ 2112 - Crime Scene Documentation **2 Credits**

9 Credit Hours Total

See your NPC Academic or Faculty Advisor for degree and graduation information

Criminal Justice for Active Law Enforcement

CJI Crime Scene Investigation, AAS

About This Degree

The University of Arkansas System's Criminal Justice Institute (CJI) provides education and advanced training in progressive areas of law enforcement to sworn law enforcement officers and individuals employed full-time by a law enforcement agency in a crime scene capacity. To successfully complete a program, students will be required to complete basic law enforcement training at an Arkansas Commission on Law Enforcement Standards and Training (ACLEST) accredited academy, take special courses through the Criminal Justice Institute, and general education courses through National Park College (NPC). NPC offers tuition waivers for certified law enforcement officers within Garland County.

NPC Mentor: James Montgomery (James.Montgomery@np.edu) 501.760.4137

Prerequisite courses and/or developmental courses may need to be taken in addition to this suggested plan of study.

CJI Information and Resources

NPC - 24-27 Credit Hours

- ENG 1113 - English Composition I* **3 Credits**
- ENG 1123 - English Composition II* **3 Credits**
also accepted: ENG 1133 Technical Report Writing*
- MATH 1213 - Quantitative Literacy* **3 Credits**
also accepted: MATH 1123 College Algebra*
- CIS 1023 - Introduction to Computing* **3 Credits**
also accepted: CIS 1013 Information Systems or may be substituted with "Computer Applications" offered by the Criminal Justice Institute
- SOC 1103 - Introduction To Sociology* **3 Credits**
- PSYC 1103 - General Psychology* **3 Credits**
- POLS 1123 - American State And Local Government* **3 Credits**
- POLS 1113 - American National Government* **3 Credits**
- CRJ 1103 - Introduction To Criminal Justice* **3 Credits**

CJI Courses - 35-38 Credit Hours

Crime Scene Investigation Certificate of Proficiency

15 credits

Crime Scene Investigation Technical Certificate	12-15 credits
Advanced Crime Scene Technician Program*** (63 contact hours)	4 credits
Advanced Crime Scene Special Topics (45 contact hours required) (Number of contact hours noted in parentheses)	3 credits
Advanced Management of Evidence and Recovered Property (14)**	
Bloodstain Pattern Documentation (21-28)	
Crime Scene Reconstruction and Interpretation (28)***	
Basic Spanish for Law Enforcement (21)	
Advanced Crime Scene Investigation Electives** (40 maximum)	
Shooting Scene Investigation (21)	

**Courses to be approved by CJI's Degree Program Committee (Director, Assistant Directors, Program Administrators). Degree Program will also be reviewed by the CJI Advisory Board annually. Courses may not be offered each fiscal year.

***Offered every other fiscal year

62 Minimum Credit Hours Total

See your NPC advisor for degree and graduation information

*Course is part of the Arkansas general education core requirements.

Purpose of AAS Degree

The Associate of Applied Science Degree is designed for employment purposes, and it should not be assumed that the degree or the courses in the degree can be transferred to another institution. While some institutions do accept some courses in AAS Programs, the general rule is that courses in AAS Degrees are not accepted in transfer toward bachelor's degrees. Students to whom transfer is important should get assurances in writing in advance from the institution to which they wish to transfer.

CJI Crime Scene Investigation, CP

The University of Arkansas System's Criminal Justice Institute (CJI) provides education and advanced training in progressive areas of law enforcement to sworn law enforcement officers and individuals employed full-time by a law enforcement agency in a crime scene capacity. To successfully complete a program, students will be required to complete basic law enforcement training at an ACLEST accredited academy, take special courses through the Criminal Justice Institute, and general education courses through National Park College (NPC). NPC offers tuition waivers for certified law enforcement officers within Garland County.

NPC - 3 Credit Hours

- ORT 1000 - Student LMS Training **0 Credits**
- ORT 1100 - NPC Orientation **0 Credits**
- ENG 1113 - English Composition I* **3 Credits**

CJI Courses - 15 Credit Hours

Crime Scene Technician Certificate Program (135 contact hours)	9 credits
**Law Enforcement Certification (These hours are earned through completion of the Arkansas Law Enforcement Training Academy or its equivalent based upon approval of the Arkansas Commission on Law Enforcement Standards and Training.)	6 credits

**A non-commissioned law enforcement employee currently serving as a Civilian Crime Scene Specialist will be required to complete six credit hours of Criminal Justice from the educational institution to fulfill this requirement.

18 Minimum Credit Hours Total

See your NPC Academic or Faculty Advisor for degree and graduation information

*Course is part of the Arkansas general education core requirements.

CJI Crime Scene Investigation, TC

The University of Arkansas System's Criminal Justice Institute (CJI) provides education and advanced training in progressive areas of law enforcement to sworn law enforcement officers and individuals employed full-time by a law enforcement agency in a crime scene capacity. To successfully complete a program, students will be required to complete basic law enforcement training at an ACLEST accredited academy, take special courses through the Criminal Justice Institute, and general education courses through National Park College (NPC). **NPC offers tuition waivers for certified law enforcement officers within Garland County.**

NPC - 6-9 Credit Hours

- ENG 1113 - English Composition I* **3 Credits**
- MATH 1213 - Quantitative Literacy* **3 Credits**
also accepted: MATH 1123 College Algebra*
- CIS 1023 - Introduction to Computing* **3 Credits**

also accepted: CIS 1013 Information Systems or may be substituted with "Computer Applications" offered by the Criminal Justice Institute

CJI Courses - 27-30 Credit Hours

Crime Scene Investigation Certificate of Proficiency 15 credits

Crime Scene Special Topics (All courses are required) 12 credits

(Number of contact hours noted in parentheses)

Recovery of Human Remains (35-40)***

Bloodstain Pattern Analysis (40)

Management of Evidence and Recovered Property (14)

Computer Crime (21) **or** Cyber Crimes (24 or 28)

Crime Scene Digital Photography and Imaging (28)

Fingerprint Classification, Comparison and Identification

Using Forensic Light Sources (21)***

Crime Scene Courtroom Testimony (14)***

Computer Applications (45 contact hours required) 0-3 credits

Computer Applications can also be completed at NPC

(Number of contact hours noted in parentheses.)

Computer Applications (25 maximum)

Microsoft Word (7 or 14)

Microsoft Excel (14)

Microsoft PowerPoint (7 or 14)

Advanced Computer Electives** (20 maximum)

Advanced Microsoft Word (7)

Advanced Microsoft Excel (7 or 14)

Microsoft Access (14)

**Courses to be approved by CJI's Degree Program Committee (Director, Assistant Directors, Program Administrators). Degree Program will also be reviewed by the CJI Advisory Board annually.

***Offered every other fiscal year

36 Minimum Credit Hours Total

See your NPC advisor for degree and graduation information

*Course is part of the Arkansas general education core requirements.

CJI Law Enforcement Administration, AAS

About This Degree

The University of Arkansas System's Criminal Justice Institute (CJI) provides education and advanced training in progressive areas of law enforcement to sworn law enforcement officers and individuals employed full-time by a law enforcement agency in a crime scene capacity. To successfully complete a program, students will be required to complete basic law enforcement training at an Arkansas Commission on Law Enforcement Standards and Training (ACLEST) accredited academy, take special courses through the Criminal Justice Institute, and general education courses through National Park College (NPC). NPC offers tuition waivers for certified law enforcement officers within Garland County.

NPC Mentor: James Montgomery (James.Montgomery@np.edu) 501.760.4137

Prerequisite courses and/or developmental courses may need to be taken in addition to this suggested plan of study.

CJI Information and Resources

General Education Core 24-27 Credit Hours

- ENG 1113 - English Composition I* **3 Credits**
- ENG 1123 - English Composition II* **3 Credits**
- SPCH 1103 - Fundamentals of Public Speaking* **3 Credits**
- MATH 1213 - Quantitative Literacy* **3 Credits**
also accepted: MATH 1123
- CIS 1023 - Introduction to Computing* **3 Credits**
also accepted: CIS 1013 Information Systems or may be substituted with "Computer Applications" offered by the Criminal Justice Institute
- CRJ 1103 - Introduction To Criminal Justice* **3 Credits**
- SOC 1103 - Introduction To Sociology* **3 Credits**
- SOC 2203 - Social Problems* **3 Credits**
- POLS 1113 - American National Government* **3 Credits**

CJI Courses - 36-39 Credit Hours

Law Enforcement Administration and Management	6 credits
Law Enforcement Communications	3 credits
Law Enforcement Certification	6 credits
Advanced Law Enforcement Special Topics	6 credits
School of Law Enforcement Supervision	9 credits
Legal Aspects of Law Enforcement	3 credits
Professional Standards in Law Enforcement	3 credits
Computer Applications	0-3 credits

63 Minimum Credit Hours Total

See your NPC advisor for degree and graduation information

*Course is part of the Arkansas general education core requirements.

Purpose of AAS Degree

The Associate of Applied Science Degree is designed for employment purposes, and it should not be assumed that the degree or the courses in the degree can be transferred to another institution. While some institutions do accept some courses in AAS Programs, the general rule is that courses in AAS Degrees are not accepted in transfer toward bachelor's degrees. Students to whom transfer is important should get assurances in writing in advance from the institution to which they wish to transfer.

The NPC Honors Program

The NPC Honors Program is accepting applications.

Learn more about the **NPC Honors Program**.

CJI Law Enforcement Administration, CP

The University of Arkansas System's Criminal Justice Institute (CJI) provides education and advanced training in progressive areas of law enforcement to sworn law enforcement officers and individuals employed full-time by a law enforcement agency in a crime scene capacity. To successfully complete a program, students will be required to complete basic law enforcement training at an ACLEST accredited academy, take special courses through the Criminal Justice Institute, and general education courses through National Park College (NPC). NPC offers tuition waivers for certified law enforcement officers within Garland County.

General Education Core - 3 Credit Hours

- ORT 1000 - Student LMS Training **0 Credits**
- ORT 1100 - NPC Orientation **0 Credits**
- ENG 1113 - English Composition I* **3 Credits**

CJI Courses - 15 Credit Hours

Law Enforcement Administration and Management	6 credits
Law Enforcement Communications	3 credits
Law Enforcement Certification	6 credits

18 Minimum Credit Hours Total

See your NPC Academic or Faculty Advisor for degree and graduation information

*Course is part of the Arkansas general education core requirements.

CJI Law Enforcement Administration, TC

Updated 6/7/2017

The University of Arkansas System's Criminal Justice Institute (CJI) provides education and advanced training in progressive areas of law enforcement to sworn law enforcement officers and individuals employed full-time by a law enforcement agency in a crime scene capacity. To successfully complete a program, students will be required to complete basic law enforcement training at an ACLEST accredited academy, take special courses through the Criminal Justice Institute, and general education courses through National Park College (NPC). NPC offers tuition waivers for certified law enforcement officers within Garland County.

General Education Core - 12-15 Credit Hours

- ENG 1113 - English Composition I* **3 Credits**
- SPCH 1103 - Fundamentals of Public Speaking* **3 Credits**
- MATH 1213 - Quantitative Literacy* **3 Credits**
also accepted: MATH 1123 College Algebra*
- CIS 1023 - Introduction to Computing* **3 Credits**
also accepted: CIS 1013 Information Systems or may be substituted with "Computer Applications" offered by the Criminal Justice Institute
- BUS 1113 - Introduction To Business** **3 Credits**

CJI Courses - 21-24 Credit Hours

Law Enforcement Administration and Management	6 credits
Law Enforcement Communications	3 credits

Law Enforcement Certification

6 credits

Advanced Law Enforcement Special Topics

6 credits

Computer Applications

0-3 credits

36 Minimum Credit Hours Total

See your NPC advisor for degree and graduation information

*Course is part of the Arkansas general education core requirements.

**Guaranteed for transfer as part of the Arkansas Course Transfer System (ACTS) but not a general education core course.

Dietetics & Nutrition

Community Nutrition, ASLAS for Transfer to UCA BS in Community Nutrition

About This Degree

This curriculum is designed for persons who plan to obtain an Associate of Science in Liberal Arts and Sciences (ASLAS) degree at National Park College (NPC) and transfer to the University of Central Arkansas (UCA) to complete a Bachelor's degree.

Start Here / Finish There

NPC Faculty Mentor: Diane Fergadis (Diane.Fergadis@np.edu) 501.760.4287

Prerequisite courses and/or developmental courses may need to be taken in addition to this suggested plan of study.

NPU Transfer Resources: • Transfer 101 • Transfer Checklists • Transfer FAQ

Students completing the Associate of Science in Liberal Arts and Sciences degree requirements, as shown above, with a minimum 2.0 cumulative GPA, will have satisfied the UCA Lower-Division Core and will be admitted to the corresponding degree program as a junior.

UCA Transfer Admission information and policies

Students completing the Associate of Science in Liberal Arts and Sciences degree requirements, as shown above, with a minimum 2.0 cumulative GPA, will have satisfied the UCA Lower-Division Core and will be admitted to the corresponding degree program as a junior.

UCA Transfer Scholarship information and policies

60 Total Program Hours

* Denotes NPC courses included in the Arkansas Course Transfer System (ACTS)

Required Courses

Community Nutrition for Transfer to UCA BS in Community Nutrition

Dietetics, ASLAS for Transfer to HSU BS in Family & Consumer Sciences (Dietetics)

About This Degree

This curriculum* is designed for persons who plan to obtain an Associate of Science in Liberal Arts and Sciences (ASLAS) degree at National Park College (NPC) and transfer to the Henderson State University (HSU) to complete a Bachelor's degree.

*The curriculum prepares you for licensure/certification in Arkansas.

Start Here / Finish There

NPC Faculty Mentor: Diane Fergadis (Diane.Fergadis@np.edu) 501.760.4287

Prerequisite courses and/or developmental courses may need to be taken in addition to this suggested plan of study.

NPU Transfer Resources: • Transfer 101 • Transfer Checklists • Transfer FAQ

HSU Transfer Admission information and policies

Additional HSU admittance requirements for this program:

- The student must complete the requirements necessary for general admission to HSU
- The student will have earned the Associate of Science in Liberal Arts and Sciences at NPC, with at least a 2.75 cumulative grade point average

Degree program admission requirements will be determined in the same manner as if initial enrollment had been at HSU

HSU Transfer Scholarship information and policies

Required Courses

Dietetics for Transfer to HSU BS in Dietetics

61 Total Program Hours

* Denotes NPC courses included in the Arkansas Course Transfer System (ACTS)

Dietetics, ASLAS for Transfer to UCA BS in Dietetics

About This Degree

This curriculum is designed for persons who plan to obtain an Associate of Science in Liberal Arts and Sciences (ASLAS) degree at National Park College (NPC) and transfer to the University of Central Arkansas (UCA) to complete a Bachelor's degree.

Start Here / Finish There

NPC Faculty Mentor: Diane Fergadis (Diane.Fergadis@np.edu) 501.760.4287

Prerequisite courses and/or developmental courses may need to be taken in addition to this suggested plan of study.

NPU Transfer Resources: • Transfer 101 • Transfer Checklists • Transfer FAQ

Students completing the Associate of Science in Liberal Arts and Sciences degree requirements, as shown above, with a minimum 2.0 cumulative GPA, will have satisfied the UCA Lower-Division Core and will be admitted to the corresponding degree program as a junior.

UCA Transfer Admission information and policies

Students completing the Associate of Science in Liberal Arts and Sciences degree requirements, as shown above, with a minimum 2.0 cumulative GPA, will have satisfied the UCA Lower-Division Core and will be admitted to the corresponding degree program as a junior.

UCA Transfer Scholarship information and policies

Required Courses

Dietetics for Transfer to UCA BA in Dietetics

60 Total Program Hours

The NPC Honors Program

The NPC Honors Program is accepting applications.

Learn more about the **NPC Honors Program**.

Education

Art Education, ASLAS for Transfer to HSU BSE in Art Education

About This Degree

This curriculum* is designed for persons who plan to obtain an Associate of Science in Liberal Arts and Sciences (ASLAS) degree at National Park College (NPC) and transfer to the Henderson State University (HSU) to complete a Bachelor's degree.

*The curriculum prepares you for licensure/certification in Arkansas.

Start Here / Finish There

NPC Faculty Mentor: Lana Taliaferro (Lana.Taliaferro@np.edu) 501.760.4189

Prerequisite courses and/or developmental courses may need to be taken in addition to this suggested plan of study.

NPU Transfer Resources: • Transfer 101 • Transfer Checklists • Transfer FAQ

HSU Transfer Admission information and policies

Additional HSU admittance requirements for this program:

- The student must complete the requirements necessary for general admission to HSU
- The student will have earned the Associate of Science in Liberal Arts and Sciences at NPC, with at least a 2.75 cumulative grade point average
- Degree program admission requirements will be determined in the same manner as if initial enrollment had been at HSU

HSU Transfer Scholarship information and policies

General Education Core - 36 Transferable Hours

- ORT 1000 - Student LMS Training **0 Credits**
- ORT 1100 - NPC Orientation **0 Credits**
- ENGLISH/COMMUNICATION - 9 CREDIT HOURS**
- ENG 1113 - English Composition I* **3 Credits**
- ENG 1123 - English Composition II* **3 Credits**
- SPCH 1103 - Fundamentals of Public Speaking* **3 Credits**
- MATHEMATICS - 3 CREDIT HOURS**
- Select one of the following courses:*
- MATH 1123 - College Algebra* **3 Credits**
- MATH 1213 - Quantitative Literacy* **3 Credits**
- FINE ARTS/HUMANITIES - 6 CREDIT HOURS**
- ART 1593 - Art Appreciation* **3 Credits**
- Select one of the following courses:*
- ENG 2273 - World Literature I* **3 Credits**
- ENG 2283 - World Literature II* **3 Credits**
- SOCIAL SCIENCES - 9 CREDIT HOURS**
- Select one of the following courses:*
- HIST 2253 - World Civilization To 1500* **3 Credits**
- HIST 2263 - World Civilization Since 1500* **3 Credits**
- Select one of the following courses:*
- POLS 1113 - American National Government* **3 Credits**
- HIST 2223 - United States History To 1865* **3 Credits**
- HIST 2233 - United States History Since 1865* **3 Credits**
- Select one of the following courses:*
- PSYC 1103 - General Psychology* **3 Credits**
- ECON 2203 - Macroeconomics* **3 Credits**

- ECON 2213 - Microeconomics* **3 Credits**
- GEOG 1103 - Introduction To Geography* **3 Credits**
- SOC 1103 - Introduction To Sociology* **3 Credits**

LAB SCIENCES - 8 CREDIT HOURS

- BIOL 1114 - General Biology* **4 Credits**
Select one of the following courses:
- CHEM 1104 - Chemistry For Non-Majors* **4 Credits**
- CHEM 1204 - General Chemistry I* **4 Credits**
- PHYS 1114 - Physical Science* **4 Credits**
- PHYS 1124 - Astronomy* **4 Credits**

PHYSICAL WELL-BEING - 1 CREDIT HOUR

Select any one-hour PE course:

- PE Any 1 CH - PE Course **1 Credits**

Art Courses - 24 Transferable Credit Hours

*Select **eight (8)** of the following courses:*

- ART 1003 - Ceramics I **3 Credits**
- ART 1103 - Design I **3 Credits**
- ART 1113 - Drawing I **3 Credits**
- ART 1513 - Digital Skills **3 Credits**
- ART 2113 - Drawing II **3 Credits**
- ART 2143 - Painting I **3 Credits**
- ART 2203 - Public School Art **3 Credits**
- ART 2243 - Sculpture I **3 Credits**
- ART 2513 - 3-D Design **3 Credits**

60 Total Program Hours

* Denotes NPC courses included in the Arkansas Course Transfer System (ACTS)

Remaining Courses to be Completed at HSU

Education, AS for Transfer to HSU BS in Elementary Education K-6

About This Degree

This curriculum* is designed for persons who plan to obtain an Associate of Science in Education degree at National Park College (NPC) and transfer to the Henderson State University (HSU) to complete a Bachelor's degree.

Start Here / Finish There

NPC Faculty Mentor: Lindsey Vondenstein (Lindsey.Vondenstein@np.edu) 501-760.4233

Prerequisite courses and/or developmental courses may need to be taken in addition to this suggested plan of study.

NPU Transfer Resources: • Transfer 101 • Transfer Checklists • Transfer FAQ

HSU Transfer Admission information and policies

Additional HSU admittance requirements for the HSU Education Preparation Program (EPP):

- Have a minimum GPA of 2.75 (remedial course grades will not be included in the cumulative GPA for purposes of admission to HSU)
- Have at least a "C" in English Composition I and II, Fundamentals of Public Speaking, and College Algebra

- Due to state licensure requirements, students cannot transfer any "D" grade credit toward any of the requirements for either the Bachelor of Science in Elementary Education K-6, Middle Level Education 4-8, or the Special Education K-12, degree at HSU
- Pass Entrance Interview
- Receive Credit for Teacher Education Orientation
- Pass all three Praxis Core Academic Skills for Educators (CORE) exams OR have an ACT score of 20 or higher in Reading and Math and a score of 6 or higher in Writing.
 - Check the following website for up-to-date test information:
<https://www.ets.org/praxis/ar>

HSU Transfer Scholarship information and policies

*The curriculum prepares you for licensure/certification in Arkansas.

General Education Core - 40 Transferable Credit Hours

- ORT 1000 - Student LMS Training **0 Credits**
- ORT 1100 - NPC Orientation **0 Credits**

ENGLISH/COMMUNICATION - 9 CREDIT HOURS

- ENG 1113 - English Composition I* **3 Credits**
- ENG 1123 - English Composition II* **3 Credits**
- SPCH 1103 - Fundamentals of Public Speaking* **3 Credits**

MATHEMATICS - 3 CREDIT HOURS

- MATH 1123 - College Algebra* **3 Credits**

LAB SCIENCES - 12 CREDIT HOURS

- BIOL 1114 - General Biology* **4 Credits**
- ESCI 1104 - Earth Science* **4 Credits**

Select one of the following courses:

- CHEM 1204 - General Chemistry I* **4 Credits**
- PHYS 1114 - Physical Science* **4 Credits**

FINE ARTS/HUMANITIES - 6 CREDIT HOURS

Select one of the following courses:

- ART 1593 - Art Appreciation* **3 Credits**
- MUS 1213 - Music Appreciation* **3 Credits**

Select one of the following courses:

- ENG 2273 - World Literature I* **3 Credits**
- ENG 2283 - World Literature II* **3 Credits**

SOCIAL SCIENCES - 9 CREDIT HOURS

- POLS 1113 - American National Government* **3 Credits**

Select one of the following courses:

- HIST 2223 - United States History To 1865* **3 Credits**
- HIST 2233 - United States History Since 1865* **3 Credits**

Select one of the following courses:

- HIST 2253 - World Civilization To 1500* **3 Credits**
- HIST 2263 - World Civilization Since 1500* **3 Credits**

PHYSICAL EDUCATION - 1 CREDIT HOUR

Select any one-hour PE course:

- PE Any 1 CH - PE Course **1 Credits**

Education Core Courses - 15 Transferable Credit Hours

- EDUC 2243 - Intro to Education **3 Credits**
- EDUC 2263 - Introduction To K-12 Technology **3 Credits**
- HIST 1143 - Arkansas History **3 Credits**
- MATH 2233 - Mathematics For Teachers I **3 Credits**
- MATH 2243 - Mathematics For Teachers II **3 Credits**

Certification Courses - 9 Transferable Credit Hours

- EDUC 2023 - Child Growth And Development **3 Credits**
- ART 2203 - Public School Art **3 Credits**
Select one of the following courses:
- ECON 2203 - Macroeconomics* **3 Credits**
- GEOG 1103 - Introduction To Geography* **3 Credits**
- SOC 1103 - Introduction To Sociology* **3 Credits**

64 Total Program Hours

* Denotes NPC courses included in the Arkansas Course Transfer System (ACTS)

Remaining Courses to be completed at HSU

Education, AS for Transfer to HSU BS in Middle Level Education 4-8 - Language Arts/Science

About This Degree

This curriculum* is designed for persons who plan to obtain an Associate of Science in Education degree at National Park College (NPC) and transfer to the Henderson State University (HSU) to complete a Bachelor's degree.

Start Here / Finish There

NPC Faculty Mentor: Lindsey Vondenstein (Lindsey.Vondenstein@np.edu) 501-760.4233

Prerequisite courses and/or developmental courses may need to be taken in addition to this suggested plan of study.

NPU Transfer Resources: • Transfer 101 • Transfer Checklists • Transfer FAQ

HSU Transfer Admission information and policies

Additional HSU admittance requirements for the HSU Education Preparation Program (EPP):

- Have a minimum GPA of 2.75 (remedial course grades will not be included in the cumulative GPA for purposes of admission to HSU)
- Have at least a "C" in English Composition I and II, Fundamentals of Public Speaking, and College Algebra
- Due to state licensure requirements, students cannot transfer any "D" grade credit toward any of the requirements for either the Bachelor of Science in Elementary Education K-6, Middle Level Education 4-8, or the Special Education K-12, degree at HSU
- Pass Entrance Interview
- Receive Credit for Teacher Education Orientation
- Pass all three Praxis Core Academic Skills for Educators (CORE) exams OR have an ACT score of 20 or higher in Reading and Math and a score of 6 or higher in Writing.
 - Check the following website for up-to-date test information:
<https://www.ets.org/praxis/ar>

HSU Transfer Scholarship information and policies

General Education Core - 40 Transferable Credit Hours

- ORT 1000 - Student LMS Training **0 Credits**
- ORT 1100 - NPC Orientation **0 Credits**
- **ENGLISH/COMMUNICATION - 9 CREDIT HOURS**
- ENG 1113 - English Composition I* **3 Credits**
- ENG 1123 - English Composition II* **3 Credits**
- SPCH 1103 - Fundamentals of Public Speaking* **3 Credits**
- **MATHEMATICS - 3 CREDIT HOURS**
- MATH 1123 - College Algebra* **3 Credits**
- **LAB SCIENCES - 12 CREDIT HOURS**
- BIOL 1114 - General Biology* **4 Credits**
- CHEM 1204 - General Chemistry I* **4 Credits**
- ESCI 1104 - Earth Science* **4 Credits**
- **FINE ARTS/HUMANITIES - 6 CREDIT HOURS**
- *Select one of the following courses:*
- ART 1593 - Art Appreciation* **3 Credits**
- MUS 1213 - Music Appreciation* **3 Credits**
- *Select one of the following courses:*
- ENG 2273 - World Literature I* **3 Credits**
- ENG 2283 - World Literature II* **3 Credits**
- **SOCIAL SCIENCES - 9 CREDIT HOURS**
- *Select one of the following courses:*
- POLS 1113 - American National Government* **3 Credits**
- ECON 2203 - Macroeconomics* **3 Credits**
- GEOG 1103 - Introduction To Geography* **3 Credits**
- *Select one of the following courses:*
- HIST 2223 - United States History To 1865* **3 Credits**
- HIST 2233 - United States History Since 1865* **3 Credits**
- *Select one of the following courses:*
- HIST 2263 - World Civilization Since 1500* **3 Credits**
- HIST 2253 - World Civilization To 1500* **3 Credits**
- **PHYSICAL EDUCATION - 1 CREDIT HOUR**
- *Select any one-hour PE course:*
- PE Any 1 CH - PE Course **1 Credits**

Education Core Courses - 15 Transferable Credit Hours

- EDUC 2243 - Intro to Education **3 Credits**
- EDUC 2263 - Introduction To K-12 Technology **3 Credits**
- HIST 1143 - Arkansas History **3 Credits**
- MATH 2233 - Mathematics For Teachers I **3 Credits**
- MATH 2243 - Mathematics For Teachers II **3 Credits**

Licensure Courses - 7 Transferable Credit Hours

- PHYS 1204 - General Physics I* **4 Credits**
- *Select the course not previously taken:*
- ENG 2273 - World Literature I* **3 Credits**

- ENG 2283 - World Literature II* **3 Credits**

62 Total Program Hours

* Denotes NPC courses included in the Arkansas Course Transfer System (ACTS)

Remaining Courses to be Completed at HSU

Education, AS for Transfer to HSU BS in Middle Level Education 4-8 - Language Arts/Social Studies

About This Degree

This curriculum* is designed for persons who plan to obtain an Associate of Science in Education degree at National Park College (NPC) and transfer to the Henderson State University (HSU) to complete a Bachelor's degree.

Start Here / Finish There

NPC Faculty Mentor: Lindsey Vondenstein (Lindsey.Vondenstein@np.edu) 501-760.4233

Prerequisite courses and/or developmental courses may need to be taken in addition to this suggested plan of study.

NPU Transfer Resources: • Transfer 101 • Transfer Checklists • Transfer FAQ

HSU Transfer Admission information and policies

Additional HSU admittance requirements for the HSU Education Preparation Program (EPP):

- Have a minimum GPA of 2.75 (remedial course grades will not be included in the cumulative GPA for purposes of admission to HSU)
- Have at least a "C" in English Composition I and II, Fundamentals of Public Speaking, and College Algebra
- Due to state licensure requirements, students cannot transfer any "D" grade credit toward any of the requirements for either the Bachelor of Science in Elementary Education K-6, Middle Level Education 4-8, or the Special Education K-12, degree at HSU
- Pass Entrance Interview
- Receive Credit for Teacher Education Orientation
- Pass all three Praxis Core Academic Skills for Educators (CORE) exams OR have an ACT score of 20 or higher in Reading and Math and a score of 6 or higher in Writing.
 - Check the following website for up-to-date test information:
<https://www.ets.org/praxis/ar>

HSU Transfer Scholarship information and policies

*The curriculum prepares you for licensure/certification in Arkansas.

General Education Core - 40 Transferable Credit Hours

- ORT 1100 - NPC Orientation **0 Credits**
- ORT 1000 - Student LMS Training **0 Credits**
- ENGLISH/COMMUNICATION - 9 CREDIT HOURS**
- ENG 1113 - English Composition I* **3 Credits**
- ENG 1123 - English Composition II* **3 Credits**
- SPCH 1103 - Fundamentals of Public Speaking* **3 Credits**
- MATHEMATICS - 3 CREDIT HOURS**
- MATH 1123 - College Algebra* **3 Credits**
- LAB SCIENCES - 12 CREDIT HOURS**
- BIOL 1114 - General Biology* **4 Credits**

- ESCI 1104 - Earth Science* **4 Credits**
 - PHYS 1114 - Physical Science* **4 Credits**
- FINE ARTS/HUMANITIES - 6 CREDIT HOURS**

Select one of the following courses:

- ART 1593 - Art Appreciation* **3 Credits**
- MUS 1213 - Music Appreciation* **3 Credits**

Select one of the following courses:

- ENG 2273 - World Literature I* **3 Credits**
- ENG 2283 - World Literature II* **3 Credits**

SOCIAL SCIENCES - 9 CREDIT HOURS

Select one of the following courses:

- POLS 1113 - American National Government* **3 Credits**
- ECON 2203 - Macroeconomics* **3 Credits**
- GEOG 1103 - Introduction To Geography* **3 Credits**

Select one of the following courses:

- HIST 2223 - United States History To 1865* **3 Credits**
- HIST 2233 - United States History Since 1865* **3 Credits**

Select one of the following courses:

- HIST 2263 - World Civilization Since 1500* **3 Credits**
- HIST 2253 - World Civilization To 1500* **3 Credits**

PHYSICAL EDUCATION - 1 CREDIT HOUR

Select any one-hour PE course:

- PE Any 1 CH - PE Course **1 Credits**

Education Core Courses - 15 Transferable Credit Hours

- EDUC 2243 - Intro to Education **3 Credits**
- EDUC 2263 - Introduction To K-12 Technology **3 Credits**
- HIST 1143 - Arkansas History **3 Credits**
- MATH 2233 - Mathematics For Teachers I **3 Credits**
- MATH 2243 - Mathematics For Teachers II **3 Credits**

Licensure Courses - 6 Transferable Credit Hours

LANGUAGE ARTS - 3 CREDIT HOURS

Select the course not previously taken:

- ENG 2273 - World Literature I* **3 Credits**
- ENG 2283 - World Literature II* **3 Credits**

SOCIAL SCIENCES - 3 CREDIT HOURS

Select one course not previously taken:

- ECON 2203 - Macroeconomics* **3 Credits**
- GEOG 1103 - Introduction To Geography* **3 Credits**
- HIST 2223 - United States History To 1865* **3 Credits**
- HIST 2233 - United States History Since 1865* **3 Credits**
- HIST 2253 - World Civilization To 1500* **3 Credits**
- HIST 2263 - World Civilization Since 1500* **3 Credits**
- POLS 1113 - American National Government* **3 Credits**

61 Total Program Hours

* Denotes NPC courses included in the Arkansas Course Transfer System (ACTS)

Remaining Courses to be Completed at HSU

Education, AS for Transfer to HSU BS in Middle Level Education 4-8 - Math/Language Arts

About This Degree

This curriculum* is designed for persons who plan to obtain an Associate of Science in Education degree at National Park College (NPC) and transfer to the Henderson State University (HSU) to complete a Bachelor's degree.

Start Here / Finish There

NPC Faculty Mentor: Lindsey Vondenstein (Lindsey.Vondenstein@np.edu) 501-760.4233

Prerequisite courses and/or developmental courses may need to be taken in addition to this suggested plan of study.

NPU Transfer Resources: • Transfer 101 • Transfer Checklists • Transfer FAQ

HSU Transfer Admission information and policies

Additional HSU admittance requirements for the HSU Education Preparation Program (EPP):

- Have a minimum GPA of 2.75 (remedial course grades will not be included in the cumulative GPA for purposes of admission to HSU)
- Have at least a "C" in English Composition I and II, Fundamentals of Public Speaking, and College Algebra
- Due to state licensure requirements, students cannot transfer any "D" grade credit toward any of the requirements for either the Bachelor of Science in Elementary Education K-6, Middle Level Education 4-8, or the Special Education K-12, degree at HSU
- Pass Entrance Interview
- Receive Credit for Teacher Education Orientation
- Pass all three Praxis Core Academic Skills for Educators (CORE) exams OR have an ACT score of 20 or higher in Reading and Math and a score of 6 or higher in Writing.
 - Check the following website for up-to-date test information:
<https://www.ets.org/praxis/ar>

HSU Transfer Scholarship information and policies

*The curriculum prepares you for licensure/certification in Arkansas.

General Education Core - 40 Transferable Credit Hours

- ORT 1100 - NPC Orientation **0 Credits**
- ORT 1000 - Student LMS Training **0 Credits**
- ENGLISH/COMMUNICATION - 9 CREDIT HOURS**
- ENG 1113 - English Composition I* **3 Credits**
- ENG 1123 - English Composition II* **3 Credits**
- SPCH 1103 - Fundamentals of Public Speaking* **3 Credits**
- MATHEMATICS - 3 CREDIT HOURS**
- MATH 1123 - College Algebra* **3 Credits**
- LAB SCIENCES - 12 CREDIT HOURS**
- BIOL 1114 - General Biology* **4 Credits**
- ESCI 1104 - Earth Science* **4 Credits**
- PHYS 1114 - Physical Science* **4 Credits**
- FINE ARTS/HUMANITIES - 6 CREDIT HOURS**
- Select one of the following courses:*
- ART 1593 - Art Appreciation* **3 Credits**

- MUS 1213 - Music Appreciation* **3 Credits**

Select one of the following courses:

- ENG 2273 - World Literature I* **3 Credits**
- ENG 2283 - World Literature II* **3 Credits**

SOCIAL SCIENCES - 9 CREDIT HOURS

Select one of the following courses:

- POLS 1113 - American National Government* **3 Credits**
- ECON 2203 - Macroeconomics* **3 Credits**
- GEOG 1103 - Introduction To Geography* **3 Credits**

Select one of the following courses:

- HIST 2223 - United States History To 1865* **3 Credits**
- HIST 2233 - United States History Since 1865* **3 Credits**

Select one of the following courses:

- HIST 2263 - World Civilization Since 1500* **3 Credits**
- HIST 2253 - World Civilization To 1500* **3 Credits**

PHYSICAL EDUCATION - 1 CREDIT HOUR

Select any one-hour PE course:

- PE Any 1 CH - PE Course **1 Credits**

Education Core Courses - 15 Transferable Credit Hours

- EDUC 2243 - Intro to Education **3 Credits**
- EDUC 2263 - Introduction To K-12 Technology **3 Credits**
- HIST 1143 - Arkansas History **3 Credits**
- MATH 2233 - Mathematics For Teachers I **3 Credits**
- MATH 2243 - Mathematics For Teachers II **3 Credits**

Licensure Courses - 6 Transferable Credit Hours

LANGUAGE ARTS - 3 CREDIT HOURS

Select the course not previously taken:

- ENG 2273 - World Literature I* **3 Credits**
- ENG 2283 - World Literature II* **3 Credits**

MATHEMATICS - 3 CREDIT HOURS

- MATH 2273 - Basic Cncpts/Stats & Probability **3 Credits**

61 Total Program Hours

* Denotes NPC courses included in the Arkansas Course Transfer System (ACTS)

Remaining Courses to be Completed at HSU

Education, AS for Transfer to HSU BS in Middle Level Education 4-8 - Math/Science

About This Degree

This curriculum* is designed for persons who plan to obtain an Associate of Science in Education degree at National Park College (NPC) and transfer to the Henderson State University (HSU) to complete a Bachelor's degree.

Start Here / Finish There

NPC Faculty Mentor: Lindsey Vondenstein (Lindsey.Vondenstein@np.edu) 501-760.4233

Prerequisite courses and/or developmental courses may need to be taken in addition to this suggested plan of study.

NPU Transfer Resources: • Transfer 101 • Transfer Checklists • Transfer FAQ

HSU Transfer Admission information and policies

Additional HSU admittance requirements for the HSU Education Preparation Program (EPP):

- Have a minimum GPA of 2.75 (remedial course grades will not be included in the cumulative GPA for purposes of admission to HSU)
- Have at least a "C" in English Composition I and II, Fundamentals of Public Speaking, and College Algebra
- Due to state licensure requirements, students cannot transfer any "D" grade credit toward any of the requirements for either the Bachelor of Science in Elementary Education K-6, Middle Level Education 4-8, or the Special Education K-12, degree at HSU
- Pass Entrance Interview
- Receive Credit for Teacher Education Orientation
- Pass all three Praxis Core Academic Skills for Educators (CORE) exams OR have an ACT score of 20 or higher in Reading and Math and a score of 6 or higher in Writing.
 - Check the following website for up-to-date test information:

<https://www.ets.org/praxis/ar>

HSU Transfer Scholarship information and policies

*The curriculum prepares you for licensure/certification in Arkansas.

General Education Core - 40 Transferable Credit Hours

- ORT 1000 - Student LMS Training **0 Credits**
- ORT 1100 - NPC Orientation **0 Credits**
- **ENGLISH/COMMUNICATION - 9 CREDIT HOURS**
- ENG 1113 - English Composition I* **3 Credits**
- ENG 1123 - English Composition II* **3 Credits**
- SPCH 1103 - Fundamentals of Public Speaking* **3 Credits**
- **MATHEMATICS - 3 CREDIT HOURS**
- MATH 1123 - College Algebra* **3 Credits**
- **LAB SCIENCES - 12 CREDIT HOURS**
- BIOL 1114 - General Biology* **4 Credits**
- CHEM 1204 - General Chemistry I* **4 Credits**
- ESCI 1104 - Earth Science* **4 Credits**
- **FINE ARTS/HUMANITIES - 6 CREDIT HOURS**
- *Select one of the following courses:*
- ART 1593 - Art Appreciation* **3 Credits**
- MUS 1213 - Music Appreciation* **3 Credits**
- *Select one of the following courses:*
- ENG 2273 - World Literature I* **3 Credits**
- ENG 2283 - World Literature II* **3 Credits**
- **SOCIAL SCIENCES - 9 CREDIT HOURS**
- *Select one of the following courses:*
- POLS 1113 - American National Government* **3 Credits**
- ECON 2203 - Macroeconomics* **3 Credits**
- GEOG 1103 - Introduction To Geography* **3 Credits**

Select one of the following courses:

- HIST 2223 - United States History To 1865* **3 Credits**
- HIST 2233 - United States History Since 1865* **3 Credits**

Select one of the following courses:

- HIST 2263 - World Civilization Since 1500* **3 Credits**
- HIST 2253 - World Civilization To 1500* **3 Credits**

PHYSICAL EDUCATION - 1 CREDIT HOUR

Select any one-hour PE course:

- PE Any 1 CH - PE Course **1 Credits**

Education Core Courses - 15 Transferable Credit Hours

- EDUC 2243 - Intro to Education **3 Credits**
- EDUC 2263 - Introduction To K-12 Technology **3 Credits**
- HIST 1143 - Arkansas History **3 Credits**
- MATH 2233 - Mathematics For Teachers I **3 Credits**
- MATH 2243 - Mathematics For Teachers II **3 Credits**

Licensure Courses - 7 Transferable Credit Hours

MATHEMATICS - 3 CREDIT HOURS

- MATH 2273 - Basic Cncpts/Stats & Probability **3 Credits**

LAB SCIENCES - 4 CREDIT HOURS

- PHYS 1204 - General Physics I* **4 Credits**

62 Total Program Hours

* Denotes NPC courses included in the Arkansas Course Transfer System (ACTS)

Remaining Courses to be Completed at HSU

Education, AS for Transfer to HSU BS in Middle Level Education 4-8 - Math/Social Studies

About This Degree

This curriculum* is designed for persons who plan to obtain an Associate of Science in Education degree at National Park College (NPC) and transfer to the Henderson State University (HSU) to complete a Bachelor's degree.

Start Here / Finish There

NPC Faculty Mentor: Lindsey Vondenstein (Lindsey.Vondenstein@np.edu) 501-760.4233

Prerequisite courses and/or developmental courses may need to be taken in addition to this suggested plan of study.

NPU Transfer Resources: • Transfer 101 • Transfer Checklists • Transfer FAQ

HSU Transfer Admission information and policies

Additional HSU admittance requirements for the HSU Education Preparation Program (EPP):

- Have a minimum GPA of 2.75 (remedial course grades will not be included in the cumulative GPA for purposes of admission to HSU)
- Have at least a "C" in English Composition I and II, Fundamentals of Public Speaking, and College Algebra
- Due to state licensure requirements, students cannot transfer any "D" grade credit toward any of the requirements for either the Bachelor of Science in Elementary Education K-6, Middle Level Education 4-8, or the Special Education K-12, degree at HSU
- Pass Entrance Interview

- Receive Credit for Teacher Education Orientation
- Pass all three Praxis Core Academic Skills for Educators (CORE) exams OR have an ACT score of 20 or higher in Reading and Math and a score of 6 or higher in Writing.
 - Check the following website for up-to-date test information:
<https://www.ets.org/praxis/ar>

HSU Transfer Scholarship information and policies

*The curriculum prepares you for licensure/certification in Arkansas.

General Education Core - 40 Transferable Credit Hours

- ORT 1100 - NPC Orientation **0 Credits**
- ORT 1000 - Student LMS Training **0 Credits**
- **ENGLISH/COMMUNICATION - 9 CREDIT HOURS**
- ENG 1113 - English Composition I* **3 Credits**
- ENG 1123 - English Composition II* **3 Credits**
- SPCH 1103 - Fundamentals of Public Speaking* **3 Credits**
- **MATHEMATICS - 3 CREDIT HOURS**
- MATH 1123 - College Algebra* **3 Credits**
- **LAB SCIENCES - 12 CREDIT HOURS**
- BIOL 1114 - General Biology* **4 Credits**
- ESCI 1104 - Earth Science* **4 Credits**
- PHYS 1114 - Physical Science* **4 Credits**
- **FINE ARTS/HUMANITIES - 6 CREDIT HOURS**
- *Select one of the following courses:*
- ART 1593 - Art Appreciation* **3 Credits**
- MUS 1213 - Music Appreciation* **3 Credits**
- *Select one of the following courses:*
- ENG 2273 - World Literature I* **3 Credits**
- ENG 2283 - World Literature II* **3 Credits**
- **SOCIAL SCIENCES - 9 CREDIT HOURS**
- *Select one of the following courses:*
- POLS 1113 - American National Government* **3 Credits**
- ECON 2203 - Macroeconomics* **3 Credits**
- GEOG 1103 - Introduction To Geography* **3 Credits**
- *Select one of the following courses:*
- HIST 2223 - United States History To 1865* **3 Credits**
- HIST 2233 - United States History Since 1865* **3 Credits**
- *Select one of the following courses:*
- HIST 2263 - World Civilization Since 1500* **3 Credits**
- HIST 2253 - World Civilization To 1500* **3 Credits**
- **PHYSICAL EDUCATION - 1 CREDIT HOUR**
- *Select any one-hour PE course:*
- PE Any 1 CH - PE Course **1 Credits**

Education Core Courses - 15 Transferable Credit Hours

- EDUC 2243 - Intro to Education **3 Credits**
- EDUC 2263 - Introduction To K-12 Technology **3 Credits**
- HIST 1143 - Arkansas History **3 Credits**

- MATH 2233 - Mathematics For Teachers I **3 Credits**
- MATH 2243 - Mathematics For Teachers II **3 Credits**

Licensure Courses - 6 Transferable Credit Hours

MATHEMATICS - 3 CREDIT HOURS

- MATH 2273 - Basic Cncpts/Stats & Probability **3 Credits**

SOCIAL SCIENCES - 3 CREDIT HOURS

Select one of the following courses not previously taken:

- ECON 2203 - Macroeconomics* **3 Credits**
- GEOG 1103 - Introduction To Geography* **3 Credits**
- HIST 2223 - United States History To 1865* **3 Credits**
- HIST 2233 - United States History Since 1865* **3 Credits**
- HIST 2253 - World Civilization To 1500* **3 Credits**
- HIST 2263 - World Civilization Since 1500* **3 Credits**
- POLS 1113 - American National Government* **3 Credits**

61 Total Program Hours

* Denotes NPC courses included in the Arkansas Course Transfer System (ACTS)

Remaining Courses to be Completed at HSU

Education, AS for Transfer to HSU BS in Middle Level Education 4-8 - Science/Social Studies

About This Degree

This curriculum* is designed for persons who plan to obtain an Associate of Science in Education degree at National Park College (NPC) and transfer to the Henderson State University (HSU) to complete a Bachelor's degree.

Start Here / Finish There

NPC Faculty Mentor: Lindsey Vondenstein (Lindsey.Vondenstein@np.edu) 501-760.4233

Prerequisite courses and/or developmental courses may need to be taken in addition to this suggested plan of study.

NPU Transfer Resources: • Transfer 101 • Transfer Checklists • Transfer FAQ

HSU Transfer Admission information and policies

Additional HSU admittance requirements for the HSU Education Preparation Program (EPP):

- Have a minimum GPA of 2.75 (remedial course grades will not be included in the cumulative GPA for purposes of admission to HSU)
- Have at least a "C" in English Composition I and II, Fundamentals of Public Speaking, and College Algebra
- Due to state licensure requirements, students cannot transfer any "D" grade credit toward any of the requirements for either the Bachelor of Science in Elementary Education K-6, Middle Level Education 4-8, or the Special Education K-12, degree at HSU
- Pass Entrance Interview
- Receive Credit for Teacher Education Orientation
- Pass all three Praxis Core Academic Skills for Educators (CORE) exams OR have an ACT score of 20 or higher in Reading and Math and a score of 6 or higher in Writing.
 - Check the following website for up-to-date test information:
<https://www.ets.org/praxis/ar>

HSU Transfer Scholarship information and policies

*The curriculum prepares you for licensure/certification in Arkansas.

General Education Core - 40 Transferable Credit Hours

- ORT 1000 - Student LMS Training **0 Credits**
- ORT 1100 - NPC Orientation **0 Credits**
- **ENGLISH/COMMUNICATION - 9 CREDIT HOURS**
- ENG 1113 - English Composition I* **3 Credits**
- ENG 1123 - English Composition II* **3 Credits**
- SPCH 1103 - Fundamentals of Public Speaking* **3 Credits**
- **MATHEMATICS - 3 CREDIT HOURS**
- MATH 1123 - College Algebra* **3 Credits**
- **LAB SCIENCES - 12 CREDIT HOURS**
- BIOL 1114 - General Biology* **4 Credits**
- CHEM 1204 - General Chemistry I* **4 Credits**
- ESCI 1104 - Earth Science* **4 Credits**
- **FINE ARTS/HUMANITIES - 6 CREDIT HOURS**
- *Select one of the following courses:*
- ART 1593 - Art Appreciation* **3 Credits**
- MUS 1213 - Music Appreciation* **3 Credits**
- *Select one of the following courses:*
- ENG 2273 - World Literature I* **3 Credits**
- ENG 2283 - World Literature II* **3 Credits**
- **SOCIAL SCIENCES - 9 CREDIT HOURS**
- *Select one of the following courses:*
- POLS 1113 - American National Government* **3 Credits**
- ECON 2203 - Macroeconomics* **3 Credits**
- GEOG 1103 - Introduction To Geography* **3 Credits**
- *Select one of the following courses:*
- HIST 2223 - United States History To 1865* **3 Credits**
- HIST 2233 - United States History Since 1865* **3 Credits**
- *Select one of the following courses:*
- HIST 2263 - World Civilization Since 1500* **3 Credits**
- HIST 2253 - World Civilization To 1500* **3 Credits**
- **PHYSICAL EDUCATION - 1 CREDIT HOUR**
- *Select any one-hour PE course:*
- PE Any 1 CH - PE Course **1 Credits**

Education Core Courses - 15 Transferable Credit Hours

- EDUC 2243 - Intro to Education **3 Credits**
- EDUC 2263 - Introduction To K-12 Technology **3 Credits**
- HIST 1143 - Arkansas History **3 Credits**
- MATH 2233 - Mathematics For Teachers I **3 Credits**
- MATH 2243 - Mathematics For Teachers II **3 Credits**

Licensure Courses - 7 Transferable Hours

- **LAB SCIENCES - 4 CREDIT HOURS**
- PHYS 1204 - General Physics I* **4 Credits**

SOCIAL SCIENCES - 3 CREDIT HOURS

Select one course not previously taken:

- ECON 2203 - Macroeconomics* **3 Credits**
- GEOG 1103 - Introduction To Geography* **3 Credits**
- HIST 2223 - United States History To 1865* **3 Credits**
- HIST 2233 - United States History Since 1865* **3 Credits**
- HIST 2253 - World Civilization To 1500* **3 Credits**
- HIST 2263 - World Civilization Since 1500* **3 Credits**
- POLS 1113 - American National Government* **3 Credits**

62 Total Program Hours

* Denotes NPC courses included in the Arkansas Course Transfer System (ACTS)

Remaining Courses to be Completed at HSU

Education, AS for Transfer to HSU BS in Special Education K-12

About This Degree

This curriculum* is designed for persons who plan to obtain an Associate of Science in Education degree at National Park College (NPC) and transfer to the Henderson State University (HSU) to complete a Bachelor's degree.

Start Here / Finish There

NPC Faculty Mentor: Lindsey Vondenstein (Lindsey.Vondenstein@np.edu) 501-760.4233

Prerequisite courses and/or developmental courses may need to be taken in addition to this suggested plan of study.

NPU Transfer Resources: • Transfer 101 • Transfer Checklists • Transfer FAQ

HSU Transfer Admission information and policies

Additional HSU admittance requirements for the HSU Education Preparation Program (EPP):

- Have a minimum GPA of 2.75 (remedial course grades will not be included in the cumulative GPA for purposes of admission to HSU)
- Have at least a "C" in English Composition I and II, Fundamentals of Public Speaking, and College Algebra
- Due to state licensure requirements, students cannot transfer any "D" grade credit toward any of the requirements for either the Bachelor of Science in Elementary Education K-6, Middle Level Education 4-8, or the Special Education K-12, degree at HSU
- Pass Entrance Interview
- Receive Credit for Teacher Education Orientation
- Pass all three Praxis Core Academic Skills for Educators (CORE) exams OR have an ACT score of 20 or higher in Reading and Math and a score of 6 or higher in Writing.
 - Check the following website for up-to-date test information:
<https://www.ets.org/praxis/ar>

HSU Transfer Scholarship information and policies

*The curriculum prepares you for licensure/certification in Arkansas.

General Education Core - 40 Transferable Credit Hours

- ORT 1000 - Student LMS Training **0 Credits**
- ORT 1100 - NPC Orientation **0 Credits**

ENGLISH/COMMUNICATION - 9 CREDIT HOURS

- ENG 1113 - English Composition I* **3 Credits**
- ENG 1123 - English Composition II* **3 Credits**
- SPCH 1103 - Fundamentals of Public Speaking* **3 Credits**

MATHEMATICS - 3 CREDIT HOURS

- MATH 1123 - College Algebra* **3 Credits**

LAB SCIENCES - 12 CREDIT HOURS

- BIOL 1114 - General Biology* **4 Credits**
- ESCI 1104 - Earth Science* **4 Credits**

Select one of the following courses:

- CHEM 1204 - General Chemistry I* **4 Credits**
- PHYS 1114 - Physical Science* **4 Credits**

FINE ARTS/HUMANITIES - 6 CREDIT HOURS

Select one of the following courses:

- ART 1593 - Art Appreciation* **3 Credits**
- MUS 1213 - Music Appreciation* **3 Credits**

Select one of the following courses:

- ENG 2273 - World Literature I* **3 Credits**
- ENG 2283 - World Literature II* **3 Credits**

SOCIAL SCIENCES - 9 CREDIT HOURS

- POLS 1113 - American National Government* **3 Credits**

Select one of the following courses:

- HIST 2223 - United States History To 1865* **3 Credits**
- HIST 2233 - United States History Since 1865* **3 Credits**

Select one of the following courses:

- HIST 2253 - World Civilization To 1500* **3 Credits**
- HIST 2263 - World Civilization Since 1500* **3 Credits**

PHYSICAL EDUCATION - 1 CREDIT HOUR

Select any one-hour PE course:

- PE Any 1 CH - PE Course **1 Credits**

Education Core Courses - 15 Transferable Credit Hours

- EDUC 2243 - Intro to Education **3 Credits**
- EDUC 2263 - Introduction To K-12 Technology **3 Credits**
- HIST 1143 - Arkansas History **3 Credits**
- MATH 2233 - Mathematics For Teachers I **3 Credits**
- MATH 2243 - Mathematics For Teachers II **3 Credits**

Certification Courses - 6 Transferable Credit Hours

- EDUC 2023 - Child Growth And Development **3 Credits**
- Select one of the following courses:*
- ECON 2203 - Macroeconomics* **3 Credits**
 - GEOG 1103 - Introduction To Geography* **3 Credits**
 - SOC 1103 - Introduction To Sociology* **3 Credits**

61 Total Program Hours

* Denotes NPC courses included in the Arkansas Course Transfer System (ACTS)

Education, AS for Transfer to UCA BS in Elementary Education K-6

About This Degree

This curriculum* is designed for persons who plan to obtain an Associate of Science in Education degree at National Park College (NPC) and transfer to the University of Central Arkansas (UCA) to complete a Bachelor's degree.

NPC Faculty Mentor: Lindsey Vondenstein (Lindsey.Vondenstein@np.edu) 501-760.4233

Start Here / Finish There

Prerequisite courses and/or developmental courses may need to be taken in addition to this suggested plan of study.

NPU Transfer Resources: • Transfer 101 • Transfer Checklists • Transfer FAQ

UCA Transfer Admission information and policies

Additional information for the UCA Teacher Education program:

- Students completing the AS in Education degree, as shown above, will have satisfied the UCA Lower-Division Core.
- Upon successful completion of the admission process (uca.edu/ocs/2plus2-for-teachers) students will be eligible for admission to the UCA College of Education.
- For complete information regarding admission to the UCA Teacher Education program, visit uca.edu/ocs/2plus2-for-teachers.

UCA Transfer Scholarship information and policies

*The curriculum prepares you for licensure/certification in Arkansas.

General Education Core - 35 Transferable Credit Hours

- ORT 1000 - Student LMS Training **0 Credits**
- ORT 1100 - NPC Orientation **0 Credits**
- ENGLISH/COMMUNICATION - 9 CREDIT HOURS**
- ENG 1113 - English Composition I* **3 Credits**
- ENG 1123 - English Composition II* **3 Credits**
- SPCH 1103 - Fundamentals of Public Speaking* **3 Credits**
- MATHEMATICS - 3 CREDIT HOURS**
- MATH 1123 - College Algebra* **3 Credits**
- LAB SCIENCES - 8 CREDIT HOURS**
- BIOL 1114 - General Biology* **4 Credits**
- PHYS 1114 - Physical Science* **4 Credits**
- FINE ARTS/HUMANITIES - 6 CREDIT HOURS**
- Select one of the following courses:*
- ART 1593 - Art Appreciation* **3 Credits**
- MUS 1213 - Music Appreciation* **3 Credits**
- Select one of the following courses:*
- ENG 2273 - World Literature I* **3 Credits**
- ENG 2283 - World Literature II* **3 Credits**
- SOCIAL SCIENCES - 9 CREDIT HOURS**
- POLS 1113 - American National Government* **3 Credits**
- Select one of the following courses*
- HIST 2223 - United States History To 1865* **3 Credits**
- HIST 2233 - United States History Since 1865* **3 Credits**
- Select one of the following courses:*
- HIST 2253 - World Civilization To 1500* **3 Credits**
- HIST 2263 - World Civilization Since 1500* **3 Credits**

Education Core - 25 Transferable Credit Hours

- EDUC 2023 - Child Growth And Development **3 Credits**
- EDUC 2243 - Intro to Education **3 Credits**
- EDUC 2263 - Introduction To K-12 Technology **3 Credits**
- EDUC 2283 - Foundations of Diverse Learners **3 Credits**
- ESCI 1104 - Earth Science* **4 Credits**
- HIST 1143 - Arkansas History **3 Credits**
- MATH 2233 - Mathematics For Teachers I **3 Credits**
- MATH 2243 - Mathematics For Teachers II **3 Credits**

60 Total Program Hours

* Denotes NPC courses included in the Arkansas Course Transfer System (ACTS)

Remaining Courses to be Completed at UCA

Education, AS for Transfer to UCA BS in Middle Level Education - Language Arts/Math

About This Degree

This curriculum* is designed for persons who plan to obtain an Associate of Science in Education degree at National Park College (NPC) and transfer to the University of Central Arkansas (UCA) to complete a Bachelor's degree.

NPC Faculty Mentor: Lindsey Vondenstein (Lindsey.Vondenstein@np.edu) 501-760.4233

Start Here / Finish There

Prerequisite courses and/or developmental courses may need to be taken in addition to this suggested plan of study.

NPU Transfer Resources: • Transfer 101 • Transfer Checklists • Transfer FAQ

UCA Transfer Admission information and policies

Additional information for the UCA Teacher Education program:

- Students completing the AS in Education degree, as shown above, will have satisfied the UCA Lower-Division Core.
- Upon successful completion of the admission process (uca.edu/ocs/2plus2-for-teachers) students will be eligible for admission to the UCA College of Education.
- For complete information regarding admission to the UCA Teacher Education program, visit uca.edu/ocs/2plus2-for-teachers.

UCA Transfer Scholarship information and policies

*The curriculum prepares you for licensure/certification in Arkansas.

General Education Core - 35 Transferable Credit Hours

ENGLISH/COMMUNICATION - 9 CREDIT HOURS

- ENG 1113 - English Composition I* **3 Credits**
- ENG 1123 - English Composition II* **3 Credits**
- SPCH 1103 - Fundamentals of Public Speaking* **3 Credits**

MATHEMATICS - 3 CREDIT HOURS

- MATH 1123 - College Algebra* **3 Credits**

LAB SCIENCES - 8 CREDIT HOURS

- BIOL 1114 - General Biology* **4 Credits**
- PHYS 1114 - Physical Science* **4 Credits**

FINE ARTS/HUMANITIES - 6 CREDIT HOURS

Select one of the following courses:

- ART 1593 - Art Appreciation* **3 Credits**
- MUS 1213 - Music Appreciation* **3 Credits**

Select one of the following courses:

- ENG 2273 - World Literature I* **3 Credits**
- ENG 2283 - World Literature II* **3 Credits**

SOCIAL SCIENCES - 9 CREDIT HOURS

Select one of the following courses:

- HIST 2223 - United States History To 1865* **3 Credits**
- HIST 2233 - United States History Since 1865* **3 Credits**
- POLS 1113 - American National Government* **3 Credits**

Select one of the following courses:

- HIST 2253 - World Civilization To 1500* **3 Credits**
- HIST 2263 - World Civilization Since 1500* **3 Credits**

Select one of the following courses:

- PSYC 1103 - General Psychology* **3 Credits**
- SOC 1103 - Introduction To Sociology* **3 Credits**

Education Core - 25 Transferable Credit Hours

- EDUC 2023 - Child Growth And Development **3 Credits**
- EDUC 2243 - Intro to Education **3 Credits**
- EDUC 2263 - Introduction To K-12 Technology **3 Credits**
- ENG 2223 - American Literature I* **3 Credits**
- ENG 2233 - American Literature II* **3 Credits**
- HIST 1143 - Arkansas History **3 Credits**
- MATH 2233 - Mathematics For Teachers I **3 Credits**
- MATH 2243 - Mathematics For Teachers II **3 Credits**

Select one of the following courses:

- MUS 1451 - National Park College Singers I **1 Credits**
- PE Any 1 CH - PE Course **1 Credits**

60 Total Program Hours

* Denotes NPC courses included in the Arkansas Course Transfer System (ACTS)

Remaining Courses to be Completed at UCA

Education, AS for Transfer to UCA BS in Middle Level Education - Language Arts/Science

About This Degree

This curriculum* is designed for persons who plan to obtain an Associate of Science in Education degree at National Park College (NPC) and transfer to the University of Central Arkansas (UCA) to complete a Bachelor's degree.

NPC Faculty Mentor: Lindsey Vondenstein (Lindsey.Vondenstein@np.edu) 501-760.4233

Start Here / Finish There

Prerequisite courses and/or developmental courses may need to be taken in addition to this suggested plan of study.

NPU Transfer Resources: • Transfer 101 • Transfer Checklists • Transfer FAQ

UCA Transfer Admission information and policies

Additional information for the UCA Teacher Education program:

- Students completing the AS in Education degree, as shown above, will have satisfied the UCA Lower-Division Core.
- Upon successful completion of the admission process (uca.edu/ocs/2plus2-for-teachers) students will be eligible for admission to the UCA College of Education.
- For complete information regarding admission to the UCA Teacher Education program, visit uca.edu/ocs/2plus2-for-teachers.

UCA Transfer Scholarship information and policies

*The curriculum prepares you for licensure/certification in Arkansas.

General Education Core - 35 Transferable Credit Hours

ENGLISH/COMMUNICATION - 9 CREDIT HOURS

- ENG 1113 - English Composition I* **3 Credits**
- ENG 1123 - English Composition II* **3 Credits**
- SPCH 1103 - Fundamentals of Public Speaking* **3 Credits**

MATHEMATICS - 3 CREDIT HOURS

- MATH 1123 - College Algebra* **3 Credits**

LAB SCIENCES - 8 CREDIT HOURS

- BIOL 1114 - General Biology* **4 Credits**
- PHYS 1114 - Physical Science* **4 Credits**

FINE ARTS/HUMANITIES - 6 CREDIT HOURS

Select one of the following courses:

- ART 1593 - Art Appreciation* **3 Credits**
- MUS 1213 - Music Appreciation* **3 Credits**

Select one of the following courses:

- ENG 2273 - World Literature I* **3 Credits**
- ENG 2283 - World Literature II* **3 Credits**

SOCIAL SCIENCES - 9 CREDIT HOURS

Select one of the following courses:

- HIST 2223 - United States History To 1865* **3 Credits**
- HIST 2233 - United States History Since 1865* **3 Credits**
- POLS 1113 - American National Government* **3 Credits**

Select one of the following courses:

- HIST 2253 - World Civilization To 1500* **3 Credits**
- HIST 2263 - World Civilization Since 1500* **3 Credits**

Select one of the following courses:

- PSYC 1103 - General Psychology* **3 Credits**
- SOC 1103 - Introduction To Sociology* **3 Credits**

Education Core - 25 Transferable Credit Hours

- CHEM 1204 - General Chemistry I* **4 Credits**
- EDUC 2023 - Child Growth And Development **3 Credits**
- EDUC 2243 - Intro to Education **3 Credits**
- ENG 2223 - American Literature I* **3 Credits**
- ENG 2233 - American Literature II* **3 Credits**
- ESCI 1104 - Earth Science* **4 Credits**
- HIST 1143 - Arkansas History **3 Credits**

Select from the following options:

- PE 1102 - Life Fitness Concepts **2 Credits**
- OR**
- MUS 1451 - National Park College Singers I **1 Credits**
 - MUS 1461 - National Park College Singers II **1 Credits**
- OR Two 1-hour PE courses**
OR MUS 1451 and One 1-hour PE course

60 Total Program Hours

* Denotes NPC courses included in the Arkansas Course Transfer System (ACTS)

Remaining Courses to be Completed at UCA

Education, AS for Transfer to UCA BS in Middle Level Education - Language Arts/Social Studies

About This Degree

This curriculum* is designed for persons who plan to obtain an Associate of Science in Education degree at National Park College (NPC) and transfer to the University of Central Arkansas (UCA) to complete a Bachelor's degree.

NPC Faculty Mentor: Lindsey Vondenstein (Lindsey.Vondenstein@np.edu) 501-760.4233

Start Here / Finish There

Prerequisite courses and/or developmental courses may need to be taken in addition to this suggested plan of study.

NPU Transfer Resources: • Transfer 101 • Transfer Checklists • Transfer FAQ

UCA Transfer Admission information and policies

Additional information for the UCA Teacher Education program:

- Students completing the AS in Education degree, as shown above, will have satisfied the UCA Lower-Division Core.
- Upon successful completion of the admission process (uca.edu/ocs/2plus2-for-teachers) students will be eligible for admission to the UCA College of Education.
- For complete information regarding admission to the UCA Teacher Education program, visit uca.edu/ocs/2plus2-for-teachers.

UCA Transfer Scholarship information and policies

*The curriculum prepares you for licensure/certification in Arkansas.

General Education Core - 35 Transferable Credit Hours

ENGLISH/COMMUNICATION - 9 CREDIT HOURS

- ENG 1113 - English Composition I* **3 Credits**
- ENG 1123 - English Composition II* **3 Credits**
- SPCH 1103 - Fundamentals of Public Speaking* **3 Credits**

MATHEMATICS - 3 CREDIT HOURS

- MATH 1123 - College Algebra* **3 Credits**

LAB SCIENCES - 8 CREDIT HOURS

- BIOL 1114 - General Biology* **4 Credits**
- PHYS 1114 - Physical Science* **4 Credits**

FINE ARTS/HUMANITIES - 6 CREDIT HOURS

Select one of the following courses:

- ART 1593 - Art Appreciation* **3 Credits**

- MUS 1213 - Music Appreciation* **3 Credits**
Select one of the following courses:
- ENG 2273 - World Literature I* **3 Credits**
- ENG 2283 - World Literature II* **3 Credits**
- SOCIAL SCIENCES - 9 CREDIT HOURS**
- HIST 2223 - United States History To 1865* **3 Credits**
- HIST 2253 - World Civilization To 1500* **3 Credits**
- POLS 1113 - American National Government* **3 Credits**

Education Core - 25 Transferable Credit Hours

- EDUC 2023 - Child Growth And Development **3 Credits**
- EDUC 2243 - Intro to Education **3 Credits**
- EDUC 2263 - Introduction To K-12 Technology **3 Credits**
- ENG 2223 - American Literature I* **3 Credits**
- ENG 2233 - American Literature II* **3 Credits**
- HIST 1143 - Arkansas History **3 Credits**
- HIST 2233 - United States History Since 1865* **3 Credits**
- HIST 2263 - World Civilization Since 1500* **3 Credits**
Select one of the following courses:
- MUS 1451 - National Park College Singers I **1 Credits**
- PE Any 1 CH - PE Course **1 Credits**

60 Total Program Hours

* Denotes NPC courses included in the Arkansas Course Transfer System (ACTS)

Remaining Courses to be Completed at UCA

Education, AS for Transfer to UCA BS in Middle Level Education - Math/Science

About This Degree

This curriculum* is designed for persons who plan to obtain an Associate of Science in Education degree at National Park College (NPC) and transfer to the University of Central Arkansas (UCA) to complete a Bachelor's degree.

NPC Faculty Mentor: Lindsey Vondenstein (Lindsey.Vondenstein@np.edu) 501-760.4233

Start Here / Finish There

Prerequisite courses and/or developmental courses may need to be taken in addition to this suggested plan of study.

NPU Transfer Resources: • Transfer 101 • Transfer Checklists • Transfer FAQ

UCA Transfer Admission information and policies

Additional information for the UCA Teacher Education program:

- Students completing the AS in Education degree, as shown above, will have satisfied the UCA Lower-Division Core.
- Upon successful completion of the admission process (uca.edu/ocs/2plus2-for-teachers) students will be eligible for admission to the UCA College of Education.
- For complete information regarding admission to the UCA Teacher Education program, visit uca.edu/ocs/2plus2-for-teachers.

UCA Transfer Scholarship information and policies

*The curriculum prepares you for licensure/certification in Arkansas.

General Education Core - 35 Transferable Credit Hours

ENGLISH/COMMUNICATION - 9 CREDIT HOURS

- ENG 1113 - English Composition I* **3 Credits**
- ENG 1123 - English Composition II* **3 Credits**
- SPCH 1103 - Fundamentals of Public Speaking* **3 Credits**

MATHEMATICS - 3 CREDIT HOURS

- MATH 1123 - College Algebra* **3 Credits**

LAB SCIENCES - 8 CREDIT HOURS

- BIOL 1114 - General Biology* **4 Credits**
- PHYS 1114 - Physical Science* **4 Credits**

FINE ARTS/HUMANITIES - 6 CREDIT HOURS

Select one of the following courses:

- ART 1593 - Art Appreciation* **3 Credits**
- MUS 1213 - Music Appreciation* **3 Credits**

Select one of the following courses:

- ENG 2273 - World Literature I* **3 Credits**
- ENG 2283 - World Literature II* **3 Credits**

SOCIAL SCIENCES - 9 CREDIT HOURS

Select one of the following courses:

- HIST 2223 - United States History To 1865* **3 Credits**
- HIST 2233 - United States History Since 1865* **3 Credits**
- POLS 1113 - American National Government* **3 Credits**

Select one of the following courses:

- HIST 2253 - World Civilization To 1500* **3 Credits**
- HIST 2263 - World Civilization Since 1500* **3 Credits**

Select one of the following courses:

- PSYC 1103 - General Psychology* **3 Credits**
- SOC 1103 - Introduction To Sociology* **3 Credits**

Education Core - 25 Transferable Credit Hours

- CHEM 1204 - General Chemistry I* **4 Credits**
- EDUC 2023 - Child Growth And Development **3 Credits**
- EDUC 2243 - Intro to Education **3 Credits**
- ESCI 1104 - Earth Science* **4 Credits**
- HIST 1143 - Arkansas History **3 Credits**
- MATH 2233 - Mathematics For Teachers I **3 Credits**
- MATH 2243 - Mathematics For Teachers II **3 Credits**

Select from the following options:

- PE 1102 - Life Fitness Concepts **2 Credits**

OR

- MUS 1451 - National Park College Singers I **1 Credits**
- MUS 1461 - National Park College Singers II **1 Credits**

OR Two 1-hour PE courses

OR MUS 1451 and One 1-hour PE course

60 Total Program Hours

* Denotes NPC courses included in the Arkansas Course Transfer System (ACTS)

Remaining Courses to be Completed at UCA

Education, AS for Transfer to UCA BS in Middle Level Education - Math/Social Studies

About This Degree

This curriculum* is designed for persons who plan to obtain an Associate of Science in Education degree at National Park College (NPC) and transfer to the University of Central Arkansas (UCA) to complete a Bachelor's degree.

NPC Faculty Mentor: Lindsey Vondenstein (Lindsey.Vondenstein@np.edu) 501-760.4233

Start Here / Finish There

Prerequisite courses and/or developmental courses may need to be taken in addition to this suggested plan of study.

NPU Transfer Resources: • Transfer 101 • Transfer Checklists • Transfer FAQ

UCA Transfer Admission information and policies

Additional information for the UCA Teacher Education program:

- Students completing the AS in Education degree, as shown above, will have satisfied the UCA Lower-Division Core.
- Upon successful completion of the admission process (uca.edu/ocs/2plus2-for-teachers) students will be eligible for admission to the UCA College of Education.
- For complete information regarding admission to the UCA Teacher Education program, visit uca.edu/ocs/2plus2-for-teachers.

UCA Transfer Scholarship information and policies

*The curriculum prepares you for licensure/certification in Arkansas.

General Education Core - 35 Transferable Credit Hours

ENGLISH/COMMUNICATION - 9 CREDIT HOURS

- ENG 1113 - English Composition I* **3 Credits**
- ENG 1123 - English Composition II* **3 Credits**
- SPCH 1103 - Fundamentals of Public Speaking* **3 Credits**

MATHEMATICS - 3 CREDIT HOURS

- MATH 1123 - College Algebra* **3 Credits**

LAB SCIENCES - 8 CREDIT HOURS

- BIOL 1114 - General Biology* **4 Credits**
- PHYS 1114 - Physical Science* **4 Credits**

FINE ARTS/HUMANITIES - 6 CREDIT HOURS

Select one of the following courses:

- ART 1593 - Art Appreciation* **3 Credits**
- MUS 1213 - Music Appreciation* **3 Credits**

Select one of the following courses:

- ENG 2273 - World Literature I* **3 Credits**
- ENG 2283 - World Literature II* **3 Credits**

SOCIAL SCIENCES - 9 CREDIT HOURS

- HIST 2223 - United States History To 1865* **3 Credits**
- HIST 2253 - World Civilization To 1500* **3 Credits**
- POLS 1113 - American National Government* **3 Credits**

Education Core - 25 Transferable Credit Hours

- EDUC 2023 - Child Growth And Development **3 Credits**
- EDUC 2243 - Intro to Education **3 Credits**
- EDUC 2263 - Introduction To K-12 Technology **3 Credits**
- HIST 1143 - Arkansas History **3 Credits**
- HIST 2233 - United States History Since 1865* **3 Credits**
- HIST 2263 - World Civilization Since 1500* **3 Credits**
- MATH 2233 - Mathematics For Teachers I **3 Credits**
- MATH 2243 - Mathematics For Teachers II **3 Credits**
- Select one of the following courses:*
- MUS 1451 - National Park College Singers I **1 Credits**
- PE Any 1 CH - PE Course **1 Credits**

60 Total Program Hours

* Denotes NPC courses included in the Arkansas Course Transfer System (ACTS)

Remaining Courses to be Completed at UCA

Education, AS for Transfer to UCA BS in Middle Level Education - Science/Social Studies

About This Degree

This curriculum* is designed for persons who plan to obtain an Associate of Science in Education degree at National Park College (NPC) and transfer to the University of Central Arkansas (UCA) to complete a Bachelor's degree.

NPC Faculty Mentor: Lindsey Vondenstein (Lindsey.Vondenstein@np.edu) 501-760.4233

Start Here / Finish There

Prerequisite courses and/or developmental courses may need to be taken in addition to this suggested plan of study.

NPU Transfer Resources: • Transfer 101 • Transfer Checklists • Transfer FAQ

UCA Transfer Admission information and policies

Additional information for the UCA Teacher Education program:

- Students completing the AS in Education degree, as shown above, will have satisfied the UCA Lower-Division Core.
- Upon successful completion of the admission process (uca.edu/ocs/2plus2-for-teachers) students will be eligible for admission to the UCA College of Education.
- For complete information regarding admission to the UCA Teacher Education program, visit uca.edu/ocs/2plus2-for-teachers.

UCA Transfer Scholarship information and policies

*The curriculum prepares you for licensure/certification in Arkansas.

General Education Core - 35 Transferable Credit Hours

ENGLISH/COMMUNICATION - 9 CREDIT HOURS

- ENG 1113 - English Composition I* **3 Credits**
- ENG 1123 - English Composition II* **3 Credits**
- SPCH 1103 - Fundamentals of Public Speaking* **3 Credits**

MATHEMATICS - 3 CREDIT HOURS

- MATH 1123 - College Algebra* **3 Credits**

LAB SCIENCES - 8 CREDIT HOURS

- BIOL 1114 - General Biology* **4 Credits**

- PHYS 1114 - Physical Science* **4 Credits**
- FINE ARTS/HUMANITIES - 6 CREDIT HOURS**
- Select one of the following courses:*
- ART 1593 - Art Appreciation* **3 Credits**
- MUS 1213 - Music Appreciation* **3 Credits**
- Select one of the following courses:*
- ENG 2273 - World Literature I* **3 Credits**
- ENG 2283 - World Literature II* **3 Credits**
- SOCIAL SCIENCES - 9 CREDIT HOURS**
- HIST 2223 - United States History To 1865* **3 Credits**
- HIST 2253 - World Civilization To 1500* **3 Credits**
- POLS 1113 - American National Government* **3 Credits**

Education Core - 25 Transferable Credit Hours

- CHEM 1204 - General Chemistry I* **4 Credits**
- EDUC 2023 - Child Growth And Development **3 Credits**
- EDUC 2243 - Intro to Education **3 Credits**
- ESCI 1104 - Earth Science* **4 Credits**
- HIST 1143 - Arkansas History **3 Credits**
- HIST 2253 - World Civilization To 1500* **3 Credits**
- HIST 2233 - United States History Since 1865* **3 Credits**
- Select from the following options:*
- PE 1102 - Life Fitness Concepts **2 Credits**
- OR**
- MUS 1451 - National Park College Singers I **1 Credits**
- MUS 1461 - National Park College Singers II **1 Credits**
- OR Two 1-hour PE courses**
- OR MUS 1451 and One 1-hour PE course**

60 Total Program Hours

* Denotes NPC courses included in the Arkansas Course Transfer System (ACTS)

Remaining Courses to be Completed at UCA

Music, ASLAS for Transfer to HSU BM in Choral Education

About This Degree

This curriculum* is designed for persons who plan to obtain an Associate of Science in Liberal Arts and Sciences (ASLAS) degree at National Park College (NPC) and transfer to the Henderson State University (HSU) to complete a Bachelor's degree.

Start Here / Finish There

NPC Faculty Mentor: Ferris Allen (Ferris.Allen@np.edu) 501.760.6584

Prerequisite courses and/or developmental courses may need to be taken in addition to this suggested plan of study.

NPU Transfer Resources: • Transfer 101 • Transfer Checklists • Transfer FAQ

HSU Transfer Admission information and policies

Additional HSU admittance requirements for this program:

- The student must complete the requirements necessary for general admission to HSU

- The student will have earned the Associate of Science in Liberal Arts and Sciences at NPC, with at least a 2.75 cumulative grade point average (remedial course grades will not be computed in the cumulative GPA for purposes of admission)
- Degree program admission requirements will be determined in the same manner as if initial enrollment had been at HSU
- Enrollment in upper level applied major courses requires completion of a Performance Assessment

HSU Transfer Scholarship information and policies

**The curriculum prepares you for licensure/certification in Arkansas.*

General Education Core - 36 Transferable Credit Hours

- ORT 1000 - Student LMS Training **0 Credits**
- ORT 1100 - NPC Orientation **0 Credits**
- **ENGLISH/COMMUNICATION - 9 CREDIT HOURS**
- ENG 1113 - English Composition I* **3 Credits**
- ENG 1123 - English Composition II* **3 Credits**
- SPCH 1103 - Fundamentals of Public Speaking* **3 Credits**
- **MATHEMATICS - 3 CREDIT HOURS**
- *Select one of the following courses:*
- MATH 1123 - College Algebra* **3 Credits**
- MATH 1213 - Quantitative Literacy* **3 Credits**
- **FINE ARTS/HUMANITIES - 6 CREDIT HOURS**
- ART 1593 - Art Appreciation* **3 Credits**
- *Select one of the following courses:*
- ENG 2273 - World Literature I* **3 Credits**
- ENG 2283 - World Literature II* **3 Credits**
- **SOCIAL SCIENCES - 9 CREDIT HOURS**
- *Select one of the following courses:*
- HIST 2223 - United States History To 1865* **3 Credits**
- HIST 2233 - United States History Since 1865* **3 Credits**
- POLS 1113 - American National Government* **3 Credits**
- *Select one of the following courses:*
- HIST 2253 - World Civilization To 1500* **3 Credits**
- HIST 2263 - World Civilization Since 1500* **3 Credits**
- *Select one of the following courses:*
- ECON 2203 - Macroeconomics* **3 Credits**
- ECON 2213 - Microeconomics* **3 Credits**
- GEOG 1103 - Introduction To Geography* **3 Credits**
- PSYC 1103 - General Psychology* **3 Credits**
- SOC 1103 - Introduction To Sociology* **3 Credits**
- **LAB SCIENCES - 8 CREDIT HOURS**
- BIOL 1114 - General Biology* **4 Credits**
- *Select one of the following courses:*
- CHEM 1104 - Chemistry For Non-Majors* **4 Credits**
- CHEM 1204 - General Chemistry I* **4 Credits**
- PHYS 1114 - Physical Science* **4 Credits**
- PHYS 1124 - Astronomy* **4 Credits**

PHYSICAL WELL-BEING - 1 CREDIT HOUR

Select any one-hour PE course:

- PE Any 1 CH - PE Course **1 Credits**

Music Core - 29 Credit Hours

- MUS 1103 - Fundamentals Of Music **3 Credits**
- MUS 1113 - Music Theory I **3 Credits**
- MUS 1123 - Music Theory II **3 Credits**
- MUS 1131 - Aural Skills I **1 Credits**
- MUS 1141 - Aural Skills II **1 Credits**
- MUS 1331 - Class Piano I **1 Credits**
- MUS 1341 - Class Piano II **1 Credits**
- MUS 1451 - National Park College Singers I **1 Credits**
- MUS 1461 - National Park College Singers II **1 Credits**
- MUS 2451 - National Park College Singers III **1 Credits**
- MUS 2461 - National Park College Singers IV **1 Credits**

Select one of the following areas of concentration:

VOICE

- MUS 1513 - Private Voice I **3 Credits**
- MUS 1523 - Private Voice II **3 Credits**
- MUS 2513 - Private Voice III **3 Credits**
- MUS 2523 - Private Voice IV **3 Credits**

PIANO

- MUS 1533 - Private Piano I **3 Credits**
- MUS 1543 - Private Piano II **3 Credits**
- MUS 2533 - Private Piano III **3 Credits**
- MUS 2543 - Private Piano IV **3 Credits**

ORGAN

- MUS 1553 - Private Organ I **3 Credits**
- MUS 1563 - Private Organ II **3 Credits**
- MUS 2553 - Private Organ III **3 Credits**
- MUS 2563 - Private Organ IV **3 Credits**

VIOLIN

- MUS 1743 - Private Violin I **3 Credits**
- MUS 1753 - Private Violin II **3 Credits**
- MUS 2743 - Private Violin III **3 Credits**
- MUS 2753 - Private Violin IV **3 Credits**

VIOLA

- MUS 1763 - Private Viola I **3 Credits**
- MUS 1773 - Private Viola II **3 Credits**
- MUS 2763 - Private Viola III **3 Credits**
- MUS 2773 - Private Viola IV **3 Credits**

CELLO

- MUS 1783 - Private Cello I **3 Credits**
- MUS 1793 - Private Cello II **3 Credits**
- MUS 2783 - Private Cello III **3 Credits**

- MUS 2793 - Private Cello IV **3 Credits**
- STRING BASS**
- MUS 1803 - Private String Bass I **3 Credits**
 - MUS 1813 - Private String Bass II **3 Credits**
 - MUS 2803 - Private String Bass III **3 Credits**
 - MUS 2813 - Private String Bass IV **3 Credits**
- EUPHONIUM**
- MUS 1823 - Private Euphonium I **3 Credits**
 - MUS 1833 - Private Euphonium II **3 Credits**
 - MUS 2823 - Private Euphonium III **3 Credits**
 - MUS 2833 - Private Euphonium IV **3 Credits**
- HORN**
- MUS 1843 - Private Horn I **3 Credits**
 - MUS 1853 - Private Horn II **3 Credits**
 - MUS 2843 - Private Horn III **3 Credits**
 - MUS 2853 - Private Horn IV **3 Credits**
- TROMBONE**
- MUS 1863 - Private Trombone I **3 Credits**
 - MUS 1873 - Private Trombone II **3 Credits**
 - MUS 2863 - Private Trombone III **3 Credits**
 - MUS 2873 - Private Trombone IV **3 Credits**
- TRUMPET**
- MUS 1883 - Private Trumpet I **3 Credits**
 - MUS 1893 - Private Trumpet II **3 Credits**
 - MUS 2883 - Private Trumpet III **3 Credits**
 - MUS 2893 - Private Trumpet IV **3 Credits**
- TUBA**
- MUS 1903 - Private Tuba I **3 Credits**
 - MUS 1913 - Private Tuba II **3 Credits**
 - MUS 2903 - Private Tuba III **3 Credits**
 - MUS 2913 - Private Tuba IV **3 Credits**
- BASSOON**
- MUS 1923 - Private Bassoon I **3 Credits**
 - MUS 1933 - Private Bassoon II **3 Credits**
 - MUS 2923 - Private Bassoon III **3 Credits**
 - MUS 2933 - Private Bassoon IV **3 Credits**
- CLARINET**
- MUS 1943 - Private Clarinet I **3 Credits**
 - MUS 1953 - Private Clarinet II **3 Credits**
 - MUS 2943 - Private Clarinet III **3 Credits**
 - MUS 2953 - Private Clarinet IV **3 Credits**
- FLUTE**
- MUS 1613 - Private Flute I **3 Credits**
 - MUS 1623 - Private Flute II **3 Credits**
 - MUS 2663 - Private Flute III **3 Credits**

- MUS 2673 - Private Flute IV **3 Credits**
- OBOE**
- MUS 1963 - Private Oboe I **3 Credits**
- MUS 1973 - Private Oboe II **3 Credits**
- MUS 2963 - Private Oboe III **3 Credits**
- MUS 2973 - Private Oboe IV **3 Credits**
- SAXOPHONE**
- MUS 1983 - Private Saxophone I **3 Credits**
- MUS 1993 - Private Saxophone II **3 Credits**
- MUS 2983 - Private Saxophone III **3 Credits**
- MUS 2993 - Private Saxophone IV **3 Credits**
- PERCUSSION**
- MUS 1653 - Private Percussion I **3 Credits**
- MUS 1663 - Private Percussion II **3 Credits**
- MUS 2653 - Private Percussion III **3 Credits**
- MUS 2733 - Private Percussion IV **3 Credits**

Performance Labs

Performance Lab is taken in coordination with applied vocal or instrumental music study

- MUS 1100 - Performance Lab I **0 Credits**
- MUS 1200 - Performance Lab II **0 Credits**
- MUS 2100 - Performance Lab III **0 Credits**
- MUS 2200 - Performance Lab IV **0 Credits**

65 Total Program Hours

* Denotes NPC courses included in the Arkansas Course Transfer System (ACTS)

Remaining Courses to be Completed at HSU

Social Studies (History), ASLAS for Transfer to UCA BSE in Social Studies (History)

The curriculum prepares you for licensure/certification in Arkansas.

About This Degree

This curriculum* is designed for persons who plan to obtain an Associate of Science in Education degree at National Park College (NPC) and transfer to the University of Central Arkansas (UCA) to complete a Bachelor's degree.

NPC Faculty Mentor: Lindsey Vondenstein (Lindsey.Vondenstein@np.edu) 501-760.4233

Start Here / Finish There

Prerequisite courses and/or developmental courses may need to be taken in addition to this suggested plan of study.

NPU Transfer Resources: • Transfer 101 • Transfer Checklists • Transfer FAQ

UCA Transfer Admission information and policies

Additional information for the UCA Teacher Education program:

- Students completing the AS in Education degree, as shown above, will have satisfied the UCA Lower-Division Core.
- Upon successful completion of the admission process (uca.edu/ocs/2plus2-for-teachers) students will be eligible for admission to the UCA College of Education.

- For complete information regarding admission to the UCA Teacher Education program, visit uca.edu/ocs/2plus2-for-teachers.

UCA Transfer Scholarship information and policies

**The curriculum prepares you for licensure/certification in Arkansas.*

General Education Core - 18 Credit Hours

- ORT 1000 - Student LMS Training **0 Credits**
- ORT 1100 - NPC Orientation **0 Credits**
- **ENGLISH/COMMUNICATION - 9 CREDIT HOURS**
- ENG 1113 - English Composition I* **3 Credits**
- ENG 1123 - English Composition II* **3 Credits**
- SPCH 1103 - Fundamentals of Public Speaking* **3 Credits**
- **MATHEMATICS - 3 CREDIT HOURS**
- MATH 1123 - College Algebra* **3 Credits**
- **FINE ARTS/HUMANITIES - 6 CREDIT HOURS**
- *Select one of the following courses:*
- ART 1593 - Art Appreciation* **3 Credits**
- MUS 1213 - Music Appreciation* **3 Credits**
- PHIL 1123 - Introduction To Philosophy* **3 Credits**
- *Select one of the following courses:*
- ENG 2273 - World Literature I* **3 Credits**
- ENG 2283 - World Literature II* **3 Credits**
- ENG 2223 - American Literature I* **3 Credits**
- ENG 2233 - American Literature II* **3 Credits**

Section 2 - General Education and Foundation Core

- **LAB SCIENCES - 8 CREDIT HOURS**
- BIOL 1114 - General Biology* **4 Credits**
- ESCI 1104 - Earth Science* **4 Credits**
- **SOCIAL SCIENCES - 9 CREDIT HOURS**
- POLS 1113 - American National Government* **3 Credits**
- PSYC 1103 - General Psychology* **3 Credits**
- SOC 1103 - Introduction To Sociology* **3 Credits**
- **SOCIAL STUDIES, BSE CORE COURSES - 25 CREDIT HOURS**
- EDUC 2023 - Child Growth And Development **3 Credits**
- EDUC 2243 - Intro to Education **3 Credits**
- HIST 1143 - Arkansas History **3 Credits**
- HIST 2223 - United States History To 1865* **3 Credits**
- HIST 2233 - United States History Since 1865* **3 Credits**
- HIST 2253 - World Civilization To 1500* **3 Credits**
- HIST 2263 - World Civilization Since 1500* **3 Credits**
- **DIRECTED ELECTIVES**
- *These courses have been specifically chosen for their relevance to this degree, however other courses may be chosen from the ACTS Transfer Course List.*
- ECON 2203 - Macroeconomics* **3 Credits**
- *Select one of the following courses:*
- MUS 1451 - National Park College Singers I **1 Credits**

- PE Any 1 CH - PE Course **1 Credits**

60 Total Program Hours

* Denotes NPC courses included in the Arkansas Course Transfer System (ACTS)

Remaining Courses to be Completed at UCA

Emergency Medical Services

Emergency Medical Services - Paramedic, AAS

National Park College EMS Education Program* is approved by the Arkansas Department of Health to provide EMS education. National Park College's Paramedic program is accredited by the Commission on Accreditation of Allied Health Education Programs (www.caahep.org) upon the recommendation of the Committee on Accreditation of Education Programs for the EMS Professions (CoAEMSP).

Upon completion of the requirements outlined in this Catalog, graduates are qualified to sit for both the Arkansas State and the National Registry Paramedic Exams. Special admission requirements apply to this program. Students must submit a Health Sciences application form and meet with the Program Director, 501-760-4168.

*The curriculum prepares you for licensure/certification in Arkansas.

General Education Core - 29 Credit Hours

- ORT 1000 - Student LMS Training **0 Credits**
- ORT 1100 - NPC Orientation **0 Credits**
- **ENGLISH/COMMUNICATION - 9 CREDIT HOURS**
- ENG 1113 - English Composition I* **3 Credits**
- ENG 1123 - English Composition II* **3 Credits**
- SPCH 1103 - Fundamentals of Public Speaking* **3 Credits**
- **MATHEMATICS - 3 CREDIT HOURS**
- MATH 1123 - College Algebra* **3 Credits**
- **COMPUTER LITERACY - 3 CREDIT HOURS**
- *Select one of the following courses:*
- CIS 1013 - Information Systems **3 Credits**
- CIS 1023 - Introduction to Computing* **3 Credits**
- **LAB SCIENCES - 8 CREDIT HOURS**
- BIOL 2224 - Anatomy & Physiology I* **4 Credits**
- BIOL 2234 - Anatomy & Physiology II* **4 Credits**
- **SOCIAL SCIENCES - 6 CREDIT HOURS**
- PSYC 1103 - General Psychology* **3 Credits**
- SOC 1103 - Introduction To Sociology* **3 Credits**

Major Specific Courses - 31 Credit Hours

Students must complete the following courses prior to enrollment in EMSP classes: ENG 1113 English Composition I*, ENG 1123 English Composition II*, MATH 1123 College Algebra*, BIOL 2224 Anatomy & Physiology I*, BIOL 2234 Anatomy & Physiology II*

- EMSP 2402 - Anatomy & Physiology **2 Credits**
- EMSP 1511 - ECG Interpretation **1 Credits**
- EMSP 1512 - Pharmacology I **2 Credits**
- EMSP 1515 - Fundamentals of Paramedicine **5 Credits**
- EMSP 1522 - Practicum I **2 Credits**
- EMSP 1518 - Advanced Paramedicine I **8 Credits**

- EMSP 1521 - Pharmacology II **1 Credits**
- EMSP 1523 - Practicum II **3 Credits**
- EMSP 1524.5 - Practicum III **4.5 Credits**
- EMSP 1532.5 - Advanced Paramedicine II **2.5 Credits**

60 Total Program Hours

* Denotes NPC courses included in the Arkansas Course Transfer System (ACTS)

Purpose of AAS Degree

The Associate of Applied Science Degree is designed for employment purposes, and it should not be assumed that the degree or the courses in the degree can be transferred to another institution. While some institutions do accept some courses in AAS Programs, the general rule is that courses in AAS Degrees are not accepted in transfer toward bachelor's degrees. Students to whom transfer is important should get assurances in writing in advance from the institution to which they wish to transfer.

Emergency Medical Services - Paramedic, AAS for Transfer to UAFS BAS (Emphasis - Management & Leadership)

About This Degree

National Park College (NPC) students who have completed an Associate of Applied Science (AAS)* degree may transfer into the Bachelor of Applied Science (BAS) degree program at the University of Arkansas at Ft. Smith (UAFS). This degree provides students with the skills and knowledge necessary to either assume management and leadership roles in business and industry or to enhance current employment. **The BAS degree is not specific to any NPC program area or concentration.**

This degree requires a total of 120 semester credit hours, including at least 40 upper-level credit hours completed at UAFS. NPC students may transfer 75 hours of lower-level courses to UAFS.

Start Here / Finish Online

NPC Mentor: Jennifer Lyons (Jennifer.Lyons@np.edu) 501.760.4256

Prerequisite courses and/or developmental courses may need to be taken in addition to this suggested plan of study.

NPU Transfer Resources: • Transfer 101 • Transfer Checklists • Transfer FAQ

NPC-to-UAFS Pre-Graduation Transfer Degree Checklist

NPC-to-UAFS Post-Graduation Transfer Degree Checklist

UAFS Admissions Requirements

Students must have a 2.0 (on a 4.0 scale) cumulative GPA on all previous coursework to be eligible for admission to UAFS.

*The curriculum prepares you for licensure/certification in Arkansas.

General Education Core - 29 Credit Hours

- ORT 1000 - Student LMS Training **0 Credits**
- ORT 1100 - NPC Orientation **0 Credits**
- **ENGLISH/COMMUNICATION - 9 CREDIT HOURS**
- ENG 1113 - English Composition I* **3 Credits**
- ENG 1123 - English Composition II* **3 Credits**
- SPCH 1103 - Fundamentals of Public Speaking* **3 Credits**
- **MATHEMATICS - 3 CREDIT HOURS**
- MATH 1123 - College Algebra* **3 Credits**
- **COMPUTER LITERACY - 3 CREDIT HOURS**

Select one of the following courses:

- CIS 1013 - Information Systems **3 Credits**
- CIS 1023 - Introduction to Computing* **3 Credits**
- LAB SCIENCES - 8 CREDIT HOURS**
- BIOL 2224 - Anatomy & Physiology I* **4 Credits**
- BIOL 2234 - Anatomy & Physiology II* **4 Credits**
- SOCIAL SCIENCES - 6 CREDIT HOURS**
- PSYC 1103 - General Psychology* **3 Credits**
- SOC 1103 - Introduction To Sociology* **3 Credits**

Major Specific Courses - 31 Credit Hours

- EMSP 1511 - ECG Interpretation **1 Credits**
- EMSP 1512 - Pharmacology I **2 Credits**
- EMSP 1515 - Fundamentals of Paramedicine **5 Credits**
- EMSP 1518 - Advanced Paramedicine I **8 Credits**
- EMSP 1521 - Pharmacology II **1 Credits**
- EMSP 1522 - Practicum I **2 Credits**
- EMSP 1523 - Practicum II **3 Credits**
- EMSP 1524.5 - Practicum III **4.5 Credits**
- EMSP 1532.5 - Advanced Paramedicine II **2.5 Credits**
- EMSP 2402 - Anatomy & Physiology **2 Credits**

60 Total Program Hours

* Denotes NPC courses included in the Arkansas Course Transfer System (ACTS)

Additional Hours

UAFS recognizes 60 NPC credit hours from this Associate of Applied Science degree.

UAFS will also accept 15 additional hours from courses listed below taken at NPC for a maximum of 75 transferable hours. These courses may also be taken at UAFS (campus or online, if available).

MATHEMATICS

Select one of the following courses:

- BUS 2123 - Business Statistics** **3 Credits**
- MATH 1133 - Trigonometry* **3 Credits**
- MATH 1293 - Introduction To Statistics* **3 Credits**
- BUS 2213 - Business Calculus **3 Credits**

FINE ARTS

Select one of the following courses:

- ART 1593 - Art Appreciation* **3 Credits**
- MUS 1213 - Music Appreciation* **3 Credits**
- PHIL 1123 - Introduction To Philosophy* **3 Credits**
- SPAN 1103 - Beginning Spanish I* **3 Credits**

HUMANITIES

Select one of the following courses:

- ENG 2223 - American Literature I* **3 Credits**
- ENG 2233 - American Literature II* **3 Credits**
- ENG 2273 - World Literature I* **3 Credits**
- ENG 2283 - World Literature II* **3 Credits**

HISTORY/GOVERNMENT

Select one of the following courses:

- HIST 2223 - United States History To 1865* **3 Credits**
 - HIST 2233 - United States History Since 1865* **3 Credits**
 - POLS 1113 - American National Government* **3 Credits**
- ELECTIVE**
- Elective 1013 - Transfer Elective **3 Credits**

Remaining Courses to be Completed at UAFS

Emergency Medical Services - Paramedic, TC

National Park College EMS Education Program* is approved by the Arkansas Department of Health to provide EMS education. National Park College's Paramedic program is accredited by the Commission on Accreditation of Allied Health Education Programs (www.caahep.org) upon the recommendation of the Committee on Accreditation of Education Programs for the EMS Professions (CoAEMSP).

Upon completion of the requirements outlined in this Catalog, graduates are qualified to sit for both the Arkansas State and the National Registry Paramedic Exams. Special admission requirements apply to this program. Students must submit a Health Sciences application form and meet with the Program Director, 501-760-4168.

*The curriculum prepares you for licensure/certification in Arkansas.

Fall Semester - 12 Credit Hours Total

- ORT 1100 - NPC Orientation **0 Credits**
- ORT 1000 - Student LMS Training **0 Credits**
- EMSP 2402 - Anatomy & Physiology **2 Credits**
- EMSP 1511 - ECG Interpretation **1 Credits**
- EMSP 1512 - Pharmacology I **2 Credits**
- EMSP 1515 - Fundamentals of Paramedicine **5 Credits**
- EMSP 1522 - Practicum I **2 Credits**

Spring Semester - 12 Credit Hours Total

- EMSP 1518 - Advanced Paramedicine I **8 Credits**
- EMSP 1521 - Pharmacology II **1 Credits**
- EMSP 1523 - Practicum II **3 Credits**

Summer Semester - 7 Credit Hours Total

- EMSP 1532.5 - Advanced Paramedicine II **2.5 Credits**
- EMSP 1524.5 - Practicum III **4.5 Credits**

31 Credit Hours Total

Courses prerequisite to another class require a minimum grade of "C" in order to advance to the next course.

Emergency Medical Technician, CP

The certificate of proficiency for Emergency Medical Technician* is designed to train individuals to rapidly recognize, assess, and treat medical and trauma-related emergencies. It is based on guidelines from the Department of Transportation and is required of all ambulance service personnel prior to employment. This certificate serves as a prerequisite to the Emergency Medical Services - Paramedic and Emergency Medical Services - Paramedic Associate of Applied Science programs. Special admission requirements apply to this program. Students must submit a Health Sciences application form and meet with the Program Director, 501-760-4168.

*The curriculum prepares you for licensure/certification in Arkansas.

College Required Courses

Required for all new NPC students

- ORT 1000 - Student LMS Training **0 Credits**
- ORT 1100 - NPC Orientation **0 Credits**

Core Courses - 6 Credit Hours Total

- EMT 1376 - Emergency Medical Technician **6 Credits**

6 Credit Hours Total

See your NPC Academic or Faculty Advisor for degree and graduation information

Engineering

Pre-Engineering, AS-STEM for Transfer to ATU BS in Mechanical Engineering

The curriculum is designed for students who plan to obtain an Associate of Science in Pre-Engineering at National Park College (NPC) and transfer to Arkansas Tech University (ATU) to complete a Bachelor of Science in Mechanical Engineering degree. Students should be aware that prerequisite courses and/or developmental courses may need to be taken in addition to the course requirements shown.

ATU Admissions Requirements

To be accepted for transfer into the ATU Mechanical Engineering program with junior classification, students must have at least a 2.0 cumulative GPA and have earned a grade of "C" or higher in all courses taken to satisfy the AS in STEM degree.

General Education Core - 30 Transferable Hours

- ORT 1100 - NPC Orientation **0 Credits**
- ORT 1000 - Student LMS Training **0 Credits**
- ENGLISH - 6 CREDIT HOURS**
- ENG 1113 - English Composition I* **3 Credits**
- ENG 1123 - English Composition II* **3 Credits**
- MATHEMATICS - 4 CREDIT HOURS**
- MATH 2214 - Calculus I* **4 Credits**
- LAB SCIENCES - 8 CREDIT HOURS**
- CHEM 1204 - General Chemistry I* **4 Credits**
- PHYS 2114 - University Physics I* **4 Credits**
- FINE ARTS/HUMANITIES - 6 CREDIT HOURS**
- Select one of the following courses:*
- ART 1593 - Art Appreciation* **3 Credits**
- MUS 1213 - Music Appreciation* **3 Credits**
- Select one of the following courses:*
- ENG 2223 - American Literature I* **3 Credits**
- ENG 2273 - World Literature I* **3 Credits**
- SOCIAL SCIENCES - 6 CREDIT HOURS**
- Select one of the following courses:*
- HIST 2223 - United States History To 1865* **3 Credits**
- HIST 2233 - United States History Since 1865* **3 Credits**
- POLS 1113 - American National Government* **3 Credits**
- Select one of the following courses:*
- ECON 2203 - Macroeconomics* **3 Credits**
- ECON 2213 - Microeconomics* **3 Credits**

Engineering Core - 30 Transferable Hours

- EGR 1122 - Intro to Engineering **2 Credits**
- EGR 1143 - Engineering Graphics **3 Credits**
- EGR 2104 - Electrical Circuits I **4 Credits**
- EGR 2113 - Engineering Materials **3 Credits**
- EGR 2123 - Statics **3 Credits**
- EGR 2213 - Dynamics **3 Credits**
- MATH 2224 - Calculus II* **4 Credits**
- MATH 2254 - Calculus III* **4 Credits**
- PHYS 2124 - University Physics II* **4 Credits**

60 Total Program Hours

* Denotes NPC courses included in the Arkansas Course Transfer System (ACTS)

Remaining Courses to be Completed at ATU

Pre-Engineering, AS-STEM for transfer to SAU BS in Engineering

About This Degree

This curriculum is designed for persons who plan to obtain an Associate of Science in Science, Technology, Engineering, and Math (AS-STEM) degree at National Park College (NPC) and transfer to Southern Arkansas University to complete a Bachelor's degree.

Start Here / Finish There

NPC Faculty Mentor: Julian Post (Julian.Post@np.edu) 501.760.4215

Prerequisite courses and/or developmental courses may need to be taken in addition to this suggested plan of study.

NPU Transfer Resources: • Transfer 101 • Transfer Checklists • Transfer FAQ

SAU Transfer Admission information and policies

Additional SAU admission requirements for this program:

- The student must complete the requirements necessary for general admission to SAU
- The student will have earned the Associate of Science in Liberal Arts and Sciences at NPC with a minimum 2.00 cumulative grade point average in general education courses, and at least a 3.00 cumulative grade point average in Computer Science (CSI) courses
- Degree program admission requirements will be determined in the same manner as if their initial enrollment had been at SAU.

SAU Transfer Scholarship information and policies

Required Courses

Pre-Engineering for Transfer to SAU BS Engineering (BSE)

60 Total Program Hours

The NPC Honors Program

The NPC Honors Program is accepting applications.

Learn more about the **NPC Honors Program**.

Pre-Engineering, AS-STEM for transfer to SAU BS in Engineering-Physics Chemical Engineering Option

About This Degree

This curriculum is designed for persons who plan to obtain an Associate of Science in Science, Technology, Engineering, and Math (AS-STEM) degree at National Park College (NPC) and transfer to Southern Arkansas University to complete a Bachelor's degree.

Start Here / Finish There

NPC Faculty Mentor: Julian Post (Julian.Post@np.edu) 501.760.4215

Prerequisite courses and/or developmental courses may need to be taken in addition to this suggested plan of study.

NPU Transfer Resources: • Transfer 101 • Transfer Checklists • Transfer FAQ

SAU Transfer Admission information and policies

Additional SAU admission requirements for this program:

- The student must complete the requirements necessary for general admission to SAU
- The student will have earned the Associate of Science in Liberal Arts and Sciences at NPC with a minimum 2.00 cumulative grade point average in general education courses, and at least a 3.00 cumulative grade point average in Computer Science (CSI) courses
- Degree program admission requirements will be determined in the same manner as if their initial enrollment had been at SAU.

SAU Transfer Scholarship information and policies

Required Courses

Pre-Engineering for Transfer to SAU BS in Chemical Engineering

60 Total Program Hours

Pre-Engineering, AS-STEM for transfer to SAU BS in Engineering-Physics Mechanical Engineering Option

About This Degree

This curriculum is designed for persons who plan to obtain an Associate of Science in Science, Technology, Engineering, and Math (AS-STEM) degree at National Park College (NPC) and transfer to Southern Arkansas University to complete a Bachelor's degree.

Start Here / Finish There

NPC Faculty Mentor: Julian Post (Julian.Post@np.edu) 501.760.4215

Prerequisite courses and/or developmental courses may need to be taken in addition to this suggested plan of study.

NPU Transfer Resources: • Transfer 101 • Transfer Checklists • Transfer FAQ

SAU Transfer Admission information and policies

Additional SAU admission requirements for this program:

- The student must complete the requirements necessary for general admission to SAU
- The student will have earned the Associate of Science in Liberal Arts and Sciences at NPC with a minimum 2.00 cumulative grade point average in general education courses, and at least a 3.00 cumulative grade point average in Computer Science (CSI) courses
- Degree program admission requirements will be determined in the same manner as if their initial enrollment had been at SAU.

SAU Transfer Scholarship information and policies

Required Courses

Pre-Engineering for Transfer to SAU BS in Mechanical Engineering

60 Total Program Hours

Pre-Engineering, AS-STEM for Transfer to UA BS in Mechanical Engineering

The curriculum is designed for persons who plan to obtain an Associate of Science in Mechanical Engineering at National Park College (NPC) and transfer to the University of Arkansas (UA) to complete a Bachelor of Science in Mechanical Engineering degree. Students should be aware that prerequisite courses and/or developmental courses may need to be taken in addition to this suggested plan of study. See UA program requirements below.

General Education Core - 30 Transferable Hours

- ORT 1100 - NPC Orientation **0 Credits**
- ORT 1000 - Student LMS Training **0 Credits**
- **ENGLISH - 6 CREDIT HOURS**
- ENG 1113 - English Composition I* **3 Credits**
- ENG 1123 - English Composition II* **3 Credits**
- **MATHEMATICS - 4 CREDIT HOURS**
- MATH 2214 - Calculus I* **4 Credits**
- **LAB SCIENCES - 8 CREDIT HOURS**
- CHEM 1204 - General Chemistry I* **4 Credits**
- PHYS 2114 - University Physics I* **4 Credits**
- **US HISTORY/GOVERNMENT - 3 CREDIT HOURS**
- *Select one of the following courses:*
- HIST 2223 - United States History To 1865* **3 Credits**
- HIST 2233 - United States History Since 1865* **3 Credits**
- POLS 1113 - American National Government* **3 Credits**
- **FINE ARTS - 3 CREDIT HOURS**
- *Select one of the following courses:*
- ART 1593 - Art Appreciation* **3 Credits**
- MUS 1213 - Music Appreciation* **3 Credits**
- **SOCIAL SCIENCES - 6 CREDIT HOURS**
- *Select two of the following courses:*
- HIST 2253 - World Civilization To 1500* **3 Credits**
- HIST 2263 - World Civilization Since 1500* **3 Credits**
- PSYC 1103 - General Psychology* **3 Credits**
- SOC 1103 - Introduction To Sociology* **3 Credits**

Engineering Core - 31 Transferable Hours

- EGR 1122 - Intro to Engineering **2 Credits**
- EGR 2123 - Statics **3 Credits**
- EGR 2213 - Dynamics **3 Credits**
- MATH 2224 - Calculus II* **4 Credits**
- MATH 2254 - Calculus III* **4 Credits**
- MATH 2284 - Differential Equations **4 Credits**
- CHEM 2204 - General Chemistry II* **4 Credits**
- PHYS 2124 - University Physics II* **4 Credits**
- *Select one of the following courses:*
- ECON 2203 - Macroeconomics* **3 Credits**

- ECON 2213 - Microeconomics* **3 Credits**

61 Total Program Hours

* Denotes NPC courses included in the Arkansas Course Transfer System (ACTS)

Remaining Courses to be Completed at UA

Funeral Service Education

Funeral Service Education NPC/UAHT, AAS

About This Degree

In partnership with National Park College (NPC), the University of Arkansas Hope-Texarkana (UAHT) offers the Associate of Applied Science in Funeral Service Education (FSE) on the campus of NPC. The FSE program includes General Education courses offered by NPC and FSE core courses offered by UAHT on the NPC campus through compressed video (CV).

Start Here / Finish Here

NPC Faculty Mentor: Janice Ivers (Janice.Iver@np.edu) 501.760.4289

Prerequisite courses and/or developmental courses may need to be taken in addition to this suggested plan of study.

UAHT @ NPC: Brad Sheppard (Brad.Sheppard@auht.edu) 501.760.4289, UAHT Funeral Service Faculty/Clinical Director

Admission to UAHT does not mean automatic admission to the Funeral Service Education program.

Enrollment to the program is subject to specific program admission requirements in addition to college admission requirements. In addition:

- A grade of "C" or higher is required for all NPC General Education courses.
- A grade of "C" or higher is required in any course with an FSED prefix or the course must be repeated.
- A minimum cumulative GPA of 2.0 is expected at the end of each semester to remain in FSE courses.

2020-21 Academic Year Consortium Agreement between UAHT and NPC

General Education Core

- ORT 1100 - NPC Orientation **0 Credits**
- ORT 1000 - Student LMS Training **0 Credits**
- ENG 1113 - English Composition I* **3 Credits**
- ENG 1123 - English Composition II* **3 Credits**
- SPCH 1103 - Fundamentals of Public Speaking* **3 Credits**
- BUS 1113 - Introduction To Business** **3 Credits**
- Select one of the following courses:*
- ACT 1003 - Basic Accounting **3 Credits**
- ACT 1103 - Principles Of Accounting I** **3 Credits**
- Select one of the following courses:*

- CIS 1013 - Information Systems **3 Credits**
- CIS 1023 - Introduction to Computing* **3 Credits**
Select one of the following courses:
- MATH 1123 - College Algebra* **3 Credits**
- MATH 1213 - Quantitative Literacy* **3 Credits**

UAHT Courses to be Completed at NPC via CV from Hope

FSED	1001	Funeral Service Orientation and Ethics	1 credit
FSED	1002	History of Funeral Service	2 credits
FSED	1003	Funeral Service Chemistry	3 credits
FSED	1004	Embalming I	4 credits
FSED	1012	Restorative Art I	2 credits
FSED	1013	Funeral Service Anatomy	3 credits
FSED	1022	Restorative Art II	2 credits
FSED	1033	Funeral Directing	3 credits
FSED	1204	Embalming II	4 credits
FSED	1313	Funeral Merchandising & Management	3 credits
FSED	2103	Funeral Psychology/Sociology	3 credits
FSED	2203	Comprehensive Review	3 credits
FSED	2213	Microbiology/Pathology	3 credits
FSED	2223	Business & Funeral Law	3 credits

60 Credit Hours Total

At the completion of the coursework for the Associate of Applied Science in Funeral Service Education, each student is required to take the National Board Examination administered by the International Conference of Funeral Service Examining Boards, Inc.

Purpose of AAS Degree

The Associate of Applied Science Degree is designed for employment purposes, and it should not be assumed that the degree or the courses in the degree can be transferred to another institution. While some institutions do accept some courses in AAS Programs, the general rule is that courses in AAS. Degrees are not accepted in transfer toward bachelor's degrees. Students to whom transfer is important should get assurances in writing in advance from the institution to which they wish to transfer.

General Technology

General Technology, AAS

The AAS in General Technology is designed to meet the needs of students who wish to combine technical or vocational coursework with general education requirements to complete a two-year degree. The Associate of Applied Science in General Technology degree enables a student to design an individual program of study to fulfill a unique career goal that cannot be met through the completion of any single technology program offered by the college. It also serves as a bridge program for students enrolled in technical programs at other institutions who wish to complete an Associates Degree. Students wishing to complete the AAS in General Technology will develop an individual course of study through a structured advising process with faculty and college counselors. A total of at least 60 credit hours are required for the AAS in General Technology.

General Education Core - 15 Credit Hours

ENGLISH/COMMUNICATION - 6 CREDIT HOURS

- ENG 1113 - English Composition I* **3 Credits**

Select one of the following courses:

- ENG 1123 - English Composition II* **3 Credits**
- SPCH 1103 - Fundamentals of Public Speaking* **3 Credits**

MATHEMATICS - 3 CREDIT HOURS

Select one of the following courses:

- MATH 1213 - Quantitative Literacy* **3 Credits**
- MATH 1123 - College Algebra* **3 Credits**

COMPUTER LITERACY - 3 CREDIT HOURS

Select one of the following courses:

- CIS 1023 - Introduction to Computing* **3 Credits**
- CIS 1013 - Information Systems **3 Credits**

HISTORY/GOVERNMENT/SOCIAL STUDIES - 3 CREDIT HOURS

Select one of the following courses:

- HIST 2223 - United States History To 1865* **3 Credits**
- HIST 2233 - United States History Since 1865* **3 Credits**
- HIST 2253 - World Civilization To 1500* **3 Credits**
- HIST 2263 - World Civilization Since 1500* **3 Credits**
- POLS 1113 - American National Government* **3 Credits**
- POLS 1123 - American State And Local Government* **3 Credits**
- PSYC 1103 - General Psychology* **3 Credits**
- SOC 1103 - Introduction To Sociology* **3 Credits**

Major Specific Courses - 45 Credit Hours

Major Technical Discipline - 24-30 Credit Hours

Choose from:

- Aerospace Fabrication & Repair
- Automotive Service Technology
- Industrial Technology
- Hospitality and Tourism Administration
- Marine Repair Technology
- Welding Technology

Technical Minor/Approved Support Courses - 14-21 Credit Hours

Choose courses from a Technical Discipline not chosen above, courses from the list below, and/or other courses approved by the division chair or dean

- ACT 1003 - Basic Accounting **3 Credits**
- BUS 1113 - Introduction To Business** **3 Credits**
- BUS 1223 - Human Resource Management **3 Credits**
- BUS 2203 - Business Law** **3 Credits**
- CIS 1813 - Computer Law & Ethics **3 Credits**
- SUPM 1123 - Introduction To Supervision **3 Credits**

60 Credit Hours Total

Purpose of AAS Degree

The Associate of Applied Science Degree is designed for employment purposes, and it should not be assumed that the degree or the courses in the degree can be transferred to another institution. While some institutions do accept some courses in AAS Programs, the general rule is that courses in AAS.

Degrees are not accepted in transfer toward bachelor's degrees. Students to whom transfer is important should get assurances in writing in advance from the institution to which they wish to transfer.

Geography

Geography - Geospatial Technology, ASLAS for Transfer to UCA BA in Geography - Geospatial Technology

About This Degree

This curriculum is designed for persons who plan to obtain an Associate of Science in Liberal Arts and Sciences (ASLAS) degree at National Park College (NPC) and transfer to the University of Central Arkansas (UCA) to complete a Bachelor's degree.

Start Here / Finish There

NPC Faculty Mentor: Chuck Argo (Chuck.Argo@np.edu) 501.760.4154

Prerequisite courses and/or developmental courses may need to be taken in addition to this suggested plan of study.

NPU Transfer Resources: • Transfer 101 • Transfer Checklists • Transfer FAQ

Students completing the Associate of Science in Liberal Arts and Sciences degree requirements, as shown above, with a minimum 2.0 cumulative GPA, will have satisfied the UCA Lower-Division Core and will be admitted to the corresponding degree program as a junior.

UCA Transfer Admission information and policies

UCA Transfer Scholarship information and policies

General Education Core - 27 Credit Hours

- ORT 1000 - Student LMS Training **0 Credits**
- ORT 1100 - NPC Orientation **0 Credits**
- ENGLISH/COMMUNICATION - 9 CREDIT HOURS**
- ENG 1113 - English Composition I* **3 Credits**
- ENG 1123 - English Composition II* **3 Credits**
- SPCH 1103 - Fundamentals of Public Speaking* **3 Credits**
- MATHEMATICS - 3 CREDIT HOURS**
- MATH 1123 - College Algebra* **3 Credits**
- FINE ARTS/HUMANITIES - 6 CREDIT HOURS**
- Select one of the following courses:*
- ART 1593 - Art Appreciation* **3 Credits**
- MUS 1213 - Music Appreciation* **3 Credits**
- Select one of the following courses:*
- ENG 2273 - World Literature I* **3 Credits**
- ENG 2283 - World Literature II* **3 Credits**
- ENG 2223 - American Literature I* **3 Credits**
- ENG 2233 - American Literature II* **3 Credits**
- SOCIAL SCIENCES - 9 CREDIT HOURS**
- Select one of the following courses:*
- HIST 2223 - United States History To 1865* **3 Credits**
- HIST 2233 - United States History Since 1865* **3 Credits**
- POLS 1113 - American National Government* **3 Credits**
- Select one of the following courses:*
- HIST 2253 - World Civilization To 1500* **3 Credits**

- HIST 2263 - World Civilization Since 1500* **3 Credits**
Select one of the following courses except:
- PSYC 1103 - General Psychology* **3 Credits**
- SOC 1103 - Introduction To Sociology* **3 Credits**
- ANTH 1113 - General Anthropology* **3 Credits**
- ECON 2203 - Macroeconomics* **3 Credits**
- ECON 2213 - Microeconomics* **3 Credits**
- GEOG 1103 - Introduction To Geography* **3 Credits**
- POLS 1123 - American State And Local Government* **3 Credits**
- SOC 2203 - Social Problems* **3 Credits**

General Education and Foundation Core - 33 Credit Hours

- GEOG 1103 - Introduction To Geography* **3 Credits**

LAB SCIENCES - 8 CREDIT HOURS

- ESCI 1104 - Earth Science* **4 Credits**
Select one of the following courses:
- BIOL 1114 - General Biology* **4 Credits**
- BIOL 2224 - Anatomy & Physiology I* **4 Credits**

FOREIGN LANGUAGE - 9 CREDIT HOURS

- SPAN 1103 - Beginning Spanish I* **3 Credits**
- SPAN 1113 - Beginning Spanish II* **3 Credits**
- SPAN 2113 - Intermediate Spanish I* **3 Credits**

DIRECTED ELECTIVES - 13 CREDIT HOURS

These courses have been specifically chosen for their relevance to this degree, however other courses may be chosen from the ACTS Transfer Course List.

- GEOL 1104 - Physical Geology* **4 Credits**
*Select **three** of the following courses:*
- ANTH 1113 - General Anthropology* **3 Credits**
- ART 2213 - Art History I* **3 Credits**
- MATH 1293 - Introduction To Statistics* **3 Credits**
- SOC 2203 - Social Problems* **3 Credits**
- SOC 2113 - Cultural Diversity **3 Credits**

60 Total Program Hours

* Denotes NPC courses included in the Arkansas Course Transfer System (ACTS)

Remaining Courses to be Completed at UCA

Geography - Geospatial Technology, ASLAS for Transfer to UCA BS in Geography - Geospatial Technology

About This Degree

This curriculum is designed for persons who plan to obtain an Associate of Science in Liberal Arts and Sciences (ASLAS) degree at National Park College (NPC) and transfer to the University of Central Arkansas (UCA) to complete a Bachelor's degree.

Start Here / Finish There

NPC Faculty Mentor: Chuck Argo (Chuck.Argo@np.edu) 501.760.4154

Prerequisite courses and/or developmental courses may need to be taken in addition to this suggested plan of study.

NPU Transfer Resources: • Transfer 101 • Transfer Checklists • Transfer FAQ

Students completing the Associate of Science in Liberal Arts and Sciences degree requirements, as shown above, with a minimum 2.0 cumulative GPA, will have satisfied the UCA Lower-Division Core and will be admitted to the corresponding degree program as a junior.

UCA Transfer Admission information and policies

UCA Transfer Scholarship information and policies

General Education Core - 27 Credit Hours

- ORT 1000 - Student LMS Training **0 Credits**
- ORT 1100 - NPC Orientation **0 Credits**
- ENGLISH/COMMUNICATION - 9 CREDIT HOURS**
- ENG 1113 - English Composition I* **3 Credits**
- ENG 1123 - English Composition II* **3 Credits**
- SPCH 1103 - Fundamentals of Public Speaking* **3 Credits**
- MATHEMATICS - 3 CREDIT HOURS**
- MATH 1123 - College Algebra* **3 Credits**
- FINE ARTS/HUMANITIES - 6 CREDIT HOURS**
- Select one of the following courses:*
- ART 1593 - Art Appreciation* **3 Credits**
- MUS 1213 - Music Appreciation* **3 Credits**
- Select one of the following courses:*
- ENG 2273 - World Literature I* **3 Credits**
- ENG 2283 - World Literature II* **3 Credits**
- ENG 2223 - American Literature I* **3 Credits**
- ENG 2233 - American Literature II* **3 Credits**
- SOCIAL SCIENCES - 9 CREDIT HOURS**
- Select one of the following courses:*
- HIST 2223 - United States History To 1865* **3 Credits**
- HIST 2233 - United States History Since 1865* **3 Credits**
- POLS 1113 - American National Government* **3 Credits**
- Select one of the following courses:*
- HIST 2253 - World Civilization To 1500* **3 Credits**
- HIST 2263 - World Civilization Since 1500* **3 Credits**
- Select one of the following courses except:*
- PSYC 1103 - General Psychology* **3 Credits**
- SOC 1103 - Introduction To Sociology* **3 Credits**
- ANTH 1113 - General Anthropology* **3 Credits**
- ECON 2203 - Macroeconomics* **3 Credits**
- ECON 2213 - Microeconomics* **3 Credits**
- GEOG 1103 - Introduction To Geography* **3 Credits**
- POLS 1123 - American State And Local Government* **3 Credits**
- SOC 2203 - Social Problems* **3 Credits**

General Education and Foundation Core - 33 Credit Hours

- GEOG 1103 - Introduction To Geography* **3 Credits**

LAB SCIENCES - 8 CREDIT HOURS

- BIOL 1114 - General Biology* **4 Credits**
- ESCI 1104 - Earth Science* **4 Credits**

Option 1 - Lab Science Core

Select one of the following pairs of courses:

- BIOL 2224 - Anatomy & Physiology I* **4 Credits**
- BIOL 2234 - Anatomy & Physiology II* **4 Credits**
- or*
- CHEM 1204 - General Chemistry I* **4 Credits**
- CHEM 2204 - General Chemistry II* **4 Credits**
- or*
- PHYS 1204 - General Physics I* **4 Credits**
- PHYS 2204 - General Physics II* **4 Credits**

DIRECTED ELECTIVES - 14 CREDIT HOURS

These courses have been specifically chosen for their relevance to this degree, however other courses may be chosen from the ACTS Transfer Course List.

- GEOL 1104 - Physical Geology* **4 Credits**
- Select three of the following courses:*
- ANTH 1113 - General Anthropology* **3 Credits**
- ART 2213 - Art History I* **3 Credits**
- MATH 1293 - Introduction To Statistics* **3 Credits**
- HIST 2253 - World Civilization To 1500* **3 Credits**
- HIST 2263 - World Civilization Since 1500* **3 Credits**
- SOC 2113 - Cultural Diversity **3 Credits**
- SOC 2203 - Social Problems* **3 Credits**

Select one of the following courses:

- MUS 1451 - National Park College Singers I **1 Credits**
- PE Any 1 CH - PE Course **1 Credits**

Option 2 - Mathematics Core

- MATH 1293 - Introduction To Statistics* **3 Credits**
- BUS 2213 - Business Calculus **3 Credits**

DIRECTED ELECTIVES - 16 CREDIT HOURS

These courses have been specifically chosen for their relevance to this degree, however other courses may be chosen from the ACTS Transfer Course List.

- GEOL 1104 - Physical Geology* **4 Credits**
- Select four of the following courses:*
- ANTH 1113 - General Anthropology* **3 Credits**
- ART 2213 - Art History I* **3 Credits**
- HIST 2253 - World Civilization To 1500* **3 Credits**
- HIST 2263 - World Civilization Since 1500* **3 Credits**
- SOC 2113 - Cultural Diversity **3 Credits**

- SOC 2203 - Social Problems* **3 Credits**

60 Total Program Hours

* Denotes NPC courses included in the Arkansas Course Transfer System (ACTS)

Remaining Courses to be Completed at UCA

Geography, ASLAS for Transfer to UCA BA in Geography

About This Degree

This curriculum is designed for persons who plan to obtain an Associate of Science in Liberal Arts and Sciences (ASLAS) degree at National Park College (NPC) and transfer to the University of Central Arkansas (UCA) to complete a Bachelor's degree.

Start Here / Finish There

NPC Faculty Mentor: Chuck Argo (Chuck.Argo@np.edu) 501.760.4154

Prerequisite courses and/or developmental courses may need to be taken in addition to this suggested plan of study.

NPU Transfer Resources: • Transfer 101 • Transfer Checklists • Transfer FAQ

Students completing the Associate of Science in Liberal Arts and Sciences degree requirements, as shown above, with a minimum 2.0 cumulative GPA, will have satisfied the UCA Lower-Division Core and will be admitted to the corresponding degree program as a junior.

UCA Transfer Admission information and policies

UCA Transfer Scholarship information and policies

General Education Core - 27 Credit Hours

- ORT 1000 - Student LMS Training **0 Credits**
- ORT 1100 - NPC Orientation **0 Credits**
- ENGLISH/COMMUNICATION - 9 CREDIT HOURS**
- ENG 1113 - English Composition I* **3 Credits**
- ENG 1123 - English Composition II* **3 Credits**
- SPCH 1103 - Fundamentals of Public Speaking* **3 Credits**

MATHEMATICS - 3 CREDIT HOURS

Select one of the following courses:

- MATH 1213 - Quantitative Literacy* **3 Credits**
- MATH 1123 - College Algebra* **3 Credits**

FINE ARTS/HUMANITIES - 6 CREDIT HOURS

Select one of the following courses:

- ART 1593 - Art Appreciation* **3 Credits**
- MUS 1213 - Music Appreciation* **3 Credits**
- PHIL 1123 - Introduction To Philosophy* **3 Credits**

Select one of the following courses:

- ENG 2273 - World Literature I* **3 Credits**
- ENG 2283 - World Literature II* **3 Credits**
- ENG 2223 - American Literature I* **3 Credits**
- ENG 2233 - American Literature II* **3 Credits**

SOCIAL SCIENCES - 9 CREDIT HOURS

Select one of the following courses:

- HIST 2223 - United States History To 1865* **3 Credits**
- HIST 2233 - United States History Since 1865* **3 Credits**

- POLS 1113 - American National Government* **3 Credits**
Select one of the following courses:
- HIST 2253 - World Civilization To 1500* **3 Credits**
- HIST 2263 - World Civilization Since 1500* **3 Credits**
Select one of the following courses:
- PSYC 1103 - General Psychology* **3 Credits**
- SOC 1103 - Introduction To Sociology* **3 Credits**
- ANTH 1113 - General Anthropology* **3 Credits**
- ECON 2203 - Macroeconomics* **3 Credits**
- ECON 2213 - Microeconomics* **3 Credits**
- GEOG 1103 - Introduction To Geography* **3 Credits**
- POLS 1123 - American State And Local Government* **3 Credits**
- SOC 2203 - Social Problems* **3 Credits**

General Education and Foundation Core - 33 Credit Hours

- GEOG 1103 - Introduction To Geography* **3 Credits**

LAB SCIENCES - 8 CREDIT HOURS

- ESCI 1104 - Earth Science* **4 Credits**
Select one of the following courses:
- BIOL 1114 - General Biology* **4 Credits**
- BIOL 2224 - Anatomy & Physiology I* **4 Credits**

FOREIGN LANGUAGE - 9 CREDIT HOURS

- SPAN 1103 - Beginning Spanish I* **3 Credits**
- SPAN 1113 - Beginning Spanish II* **3 Credits**
- SPAN 2113 - Intermediate Spanish I* **3 Credits**

DIRECTED ELECTIVES - 13 CREDIT HOURS

These courses have been specifically chosen for their relevance to this degree, however other courses may be chosen from the ACTS Transfer Course List.

- GEOL 1104 - Physical Geology* **4 Credits**
Select three of the following courses:
- ANTH 1113 - General Anthropology* **3 Credits**
- ART 2213 - Art History I* **3 Credits**
- MATH 1293 - Introduction To Statistics* **3 Credits**
- SOC 2203 - Social Problems* **3 Credits**
- SOC 2113 - Cultural Diversity **3 Credits**

60 Total Program Hours

* Denotes NPC courses included in the Arkansas Course Transfer System (ACTS)

Remaining Courses to be Completed at UCA

Geography, ASLAS for Transfer to UCA BS in Geography

About This Degree

This curriculum is designed for persons who plan to obtain an Associate of Science in Liberal Arts and Sciences (ASLAS) degree at National Park College (NPC) and transfer to the University of Central Arkansas (UCA) to complete a Bachelor's degree.

Start Here / Finish There

NPC Faculty Mentor: Chuck Argo (Chuck.Argo@np.edu) 501.760.4154

Prerequisite courses and/or developmental courses may need to be taken in addition to this suggested plan of study.

NPU Transfer Resources: • Transfer 101 • Transfer Checklists • Transfer FAQ

Students completing the Associate of Science in Liberal Arts and Sciences degree requirements, as shown above, with a minimum 2.0 cumulative GPA, will have satisfied the UCA Lower-Division Core and will be admitted to the corresponding degree program as a junior.

UCA Transfer Admission information and policies

UCA Transfer Scholarship information and policies

General Education Core - 27 Credit Hours

- ORT 1000 - Student LMS Training **0 Credits**

- ORT 1100 - NPC Orientation **0 Credits**

ENGLISH/COMMUNICATION - 9 CREDIT HOURS

- ENG 1113 - English Composition I* **3 Credits**
- ENG 1123 - English Composition II* **3 Credits**
- SPCH 1103 - Fundamentals of Public Speaking* **3 Credits**

MATHEMATICS - 3 CREDIT HOURS

- MATH 1123 - College Algebra* **3 Credits**

FINE ARTS/HUMANITIES - 6 CREDIT HOURS

Select one of the following courses:

- ART 1593 - Art Appreciation* **3 Credits**
- MUS 1213 - Music Appreciation* **3 Credits**

Select one of the following courses:

- ENG 2273 - World Literature I* **3 Credits**
- ENG 2283 - World Literature II* **3 Credits**
- ENG 2223 - American Literature I* **3 Credits**
- ENG 2233 - American Literature II* **3 Credits**

SOCIAL SCIENCES - 9 CREDIT HOURS

Select one of the following courses:

- HIST 2223 - United States History To 1865* **3 Credits**
- HIST 2233 - United States History Since 1865* **3 Credits**
- POLS 1113 - American National Government* **3 Credits**

Select one of the following courses:

- HIST 2253 - World Civilization To 1500* **3 Credits**
- HIST 2263 - World Civilization Since 1500* **3 Credits**

Select one of the following courses except:

- PSYC 1103 - General Psychology* **3 Credits**
- SOC 1103 - Introduction To Sociology* **3 Credits**
- ANTH 1113 - General Anthropology* **3 Credits**
- ECON 2203 - Macroeconomics* **3 Credits**
- ECON 2213 - Microeconomics* **3 Credits**
- GEOG 1103 - Introduction To Geography* **3 Credits**
- POLS 1123 - American State And Local Government* **3 Credits**
- SOC 2203 - Social Problems* **3 Credits**

General Education and Foundation Core - 33 Credit Hours

- GEOG 1103 - Introduction To Geography* **3 Credits**

LAB SCIENCES - 8 CREDIT HOURS

- BIOL 1114 - General Biology* **4 Credits**
- ESCI 1104 - Earth Science* **4 Credits**

Option 1 - Lab Science Core

Select one of the following pairs of courses:

- BIOL 2224 - Anatomy & Physiology I* **4 Credits**
- BIOL 2234 - Anatomy & Physiology II* **4 Credits**
- or*
- CHEM 1204 - General Chemistry I* **4 Credits**
- CHEM 2204 - General Chemistry II* **4 Credits**
- or*
- PHYS 1204 - General Physics I* **4 Credits**
- PHYS 2204 - General Physics II* **4 Credits**

DIRECTED ELECTIVES - 14 CREDIT HOURS

These courses have been specifically chosen for their relevance to this degree, however other courses may be chosen from the ACTS Transfer Course List.

- GEOL 1104 - Physical Geology* **4 Credits**

Select three of the following courses:

- ANTH 1113 - General Anthropology* **3 Credits**
- ART 2213 - Art History I* **3 Credits**
- MATH 1293 - Introduction To Statistics* **3 Credits**
- HIST 2253 - World Civilization To 1500* **3 Credits**
- HIST 2263 - World Civilization Since 1500* **3 Credits**
- SOC 2113 - Cultural Diversity **3 Credits**
- SOC 2203 - Social Problems* **3 Credits**

Select one of the following courses:

- MUS 1451 - National Park College Singers I **1 Credits**
- PE Any 1 CH - PE Course **1 Credits**

Option 2 - Mathematics Core

- MATH 1293 - Introduction To Statistics* **3 Credits**
- BUS 2213 - Business Calculus **3 Credits**

DIRECTED ELECTIVES - 16 CREDIT HOURS

These courses have been specifically chosen for their relevance to this degree, however other courses may be chosen from the ACTS Transfer Course List.

- GEOL 1104 - Physical Geology* **4 Credits**

Select four of the following courses:

- ANTH 1113 - General Anthropology* **3 Credits**
- ART 2213 - Art History I* **3 Credits**
- HIST 2253 - World Civilization To 1500* **3 Credits**
- HIST 2263 - World Civilization Since 1500* **3 Credits**

- SOC 2113 - Cultural Diversity **3 Credits**
- SOC 2203 - Social Problems* **3 Credits**

Remaining Courses to be Completed at UCA

60 Total Program Hours

* Denotes NPC courses included in the Arkansas Course Transfer System (ACTS)

Health Information Technology

Health Information Technology, AAS

The Health Information Technology (HIT) Program* prepares the student to perform tasks related to the use, analysis, presentation, abstracting, coding, storage, and retrieval of healthcare data in manual and electronic form. Graduates are eligible to take a national certification exam to become a Registered Health Information Technician (RHIT).

*The curriculum prepares you for licensure/certification in Arkansas.

General Education Core - 26 Credit Hours

- ORT 1000 - Student LMS Training **0 Credits**
- ORT 1100 - NPC Orientation **0 Credits**
- ENG 1113 - English Composition I* **3 Credits**
- ENG 1123 - English Composition II* **3 Credits**
- MATH 1123 - College Algebra* **3 Credits**
- BIOL 2224 - Anatomy & Physiology I* **4 Credits**
- BIOL 2234 - Anatomy & Physiology II* **4 Credits**
- ALH 1203 - Medical Terminology **3 Credits**
- CIS 1013 - Information Systems **3 Credits**
- *Select one of the following courses:*
- PSYC 1103 - General Psychology* **3 Credits**
- SOC 1103 - Introduction To Sociology* **3 Credits**

Major Specific Courses - 37 Credit Hours

- HIT 1113 - Health Data Content **3 Credits**
- HIT 1223 - Legal Aspects Of Health Information **3 Credits**
- HIT 2123 - Basic Health Statistics **3 Credits**
- HIT 1014 - Medical Coding I **4 Credits**
- HIT 2133 - Health Care Quality Management **3 Credits**
- HIT 2004 - Fundamentals Of Medical Science **4 Credits**
- HIT 2213 - Computers In Healthcare **3 Credits**
- HIT 2222 - Professional Practice Experience I **2 Credits**
- HIT 2203 - Reimbursement Methods **3 Credits**
- HIT 2402 - Professional Practice Experience II **2 Credits**
- HIT 2503 - Supervision In Hit **3 Credits**
- HIT 2014 - Medical Coding II **4 Credits**

63 Credit Hours Total

Purpose of AAS Degree

The Associate of Applied Science Degree is designed for employment purposes, and it should not be assumed that the degree or the courses in the degree can be transferred to another institution. While

some institutions do accept some courses in AAS Programs, the general rule is that courses in AAS. Degrees are not accepted in transfer toward bachelor's degrees. Students to whom transfer is important should get assurances in writing in advance from the institution to which they wish to transfer.

Health Information Technology, AAS for Transfer to UAFS BAS (Emphasis - Management & Leadership)

About This Degree

National Park College (NPC) students who have completed an Associate of Applied Science (AAS)* degree may transfer into the Bachelor of Applied Science (BAS) degree program at the University of Arkansas at Ft. Smith (UAFS). This degree provides students with the skills and knowledge necessary to either assume management and leadership roles in business and industry or to enhance current employment. **The BAS degree is not specific to any NPC program area or concentration.**

This degree requires a total of 120 semester credit hours, including at least 40 upper-level credit hours completed at UAFS. NPC students may transfer 75 hours of lower-level courses to UAFS.

Start Here / Finish Online

NPC Mentor: Jennifer Lyons (Jennifer.Lyons@np.edu) 501.760.4256

Prerequisite courses and/or developmental courses may need to be taken in addition to this suggested plan of study.

NPU Transfer Resources: • Transfer 101 • Transfer Checklists • Transfer FAQ

NPC-to-UAFS Pre-Graduation Transfer Degree Checklist

NPC-to-UAFS Post-Graduation Transfer Degree Checklist

UAFS Admissions Requirements

Students must have a 2.0 (on a 4.0 scale) cumulative GPA on all previous coursework to be eligible for admission to UAFS.

*The curriculum prepares you for licensure/certification in Arkansas.

General Education Core - 26 Credit Hours

- ORT 1000 - Student LMS Training **0 Credits**
- ORT 1100 - NPC Orientation **0 Credits**

- ENG 1113 - English Composition I* **3 Credits**
- ENG 1123 - English Composition II* **3 Credits**
- MATH 1123 - College Algebra* **3 Credits**
- BIOL 2224 - Anatomy & Physiology I* **4 Credits**
- BIOL 2234 - Anatomy & Physiology II* **4 Credits**
- ALH 1203 - Medical Terminology **3 Credits**
- CIS 1013 - Information Systems **3 Credits**
- Select one of the following courses:*
- PSYC 1103 - General Psychology* **3 Credits**
- SOC 1103 - Introduction To Sociology* **3 Credits**

Major Specific Courses - 43 Credit Hours

- ALH 1203 - Medical Terminology **3 Credits**
- CIS 1013 - Information Systems **3 Credits**
- HIT 1113 - Health Data Content **3 Credits**
- HIT 1223 - Legal Aspects Of Health Information **3 Credits**
- HIT 2123 - Basic Health Statistics **3 Credits**

- HIT 1014 - Medical Coding I **4 Credits**
- HIT 2133 - Health Care Quality Management **3 Credits**
- HIT 2004 - Fundamentals Of Medical Science **4 Credits**
- HIT 2213 - Computers In Healthcare **3 Credits**
- HIT 2222 - Professional Practice Experience I **2 Credits**
- HIT 2203 - Reimbursement Methods **3 Credits**
- HIT 2402 - Professional Practice Experience II **2 Credits**
- HIT 2503 - Supervision In Hit **3 Credits**
- HIT 2014 - Medical Coding II **4 Credits**

63 Total Program Hours

* Denotes NPC courses included in the Arkansas Course Transfer System (ACTS)

Additional Hours

Contact your Academic Advisor for assistance

UAFS recognizes 57 NPC credit hours from this Associate of Applied Science degree.

UAFS will also accept 18 additional hours from courses listed below taken at NPC for a maximum of 75 transferable hours. These courses may also be taken at UAFS (campus or online, if available).

MATHEMATICS - 3 CREDIT HOURS

Select one of the following courses:

- BUS 2123 - Business Statistics** **3 Credits**
- MATH 1133 - Trigonometry* **3 Credits**
- MATH 1293 - Introduction To Statistics* **3 Credits**
- BUS 2213 - Business Calculus **3 Credits**

ORAL COMMUNICATION - 3 CREDIT HOURS

- SPCH 1103 - Fundamentals of Public Speaking* **3 Credits**

FINE ARTS - 3 CREDIT HOURS

Select one of the following courses:

- ART 1593 - Art Appreciation* **3 Credits**
- MUS 1213 - Music Appreciation* **3 Credits**
- PHIL 1123 - Introduction To Philosophy* **3 Credits**

UAFS will accept PHIL 1123 as either a Fine Arts or Humanities requirement

- SPAN 1103 - Beginning Spanish I* **3 Credits**

HUMANITIES - 3 CREDIT HOURS

Select one of the following courses:

- ENG 2223 - American Literature I* **3 Credits**
- ENG 2233 - American Literature II* **3 Credits**
- ENG 2273 - World Literature I* **3 Credits**
- ENG 2283 - World Literature II* **3 Credits**

HISTORY/GOVERNMENT - 3 CREDIT HOURS

Select one of the following courses:

- HIST 2223 - United States History To 1865* **3 Credits**
- HIST 2233 - United States History Since 1865* **3 Credits**
- POLS 1113 - American National Government* **3 Credits**

SOCIAL SCIENCES - 3 CREDIT HOURS

Select one of the following courses not previously taken:

- ANTH 1113 - General Anthropology* **3 Credits**

- ECON 2203 - Macroeconomics* **3 Credits**
 - ECON 2213 - Microeconomics* **3 Credits**
 - HIST 2253 - World Civilization To 1500* **3 Credits**
 - HIST 2263 - World Civilization Since 1500* **3 Credits**
 - POLS 1123 - American State And Local Government* **3 Credits**
 - PSYC 1103 - General Psychology* **3 Credits**
 - SOC 1103 - Introduction To Sociology* **3 Credits**
 - SOC 2203 - Social Problems* **3 Credits**
- also accepted: HIST 2223, HIST 2233, POLS 1113 if not previously taken

Remaining Courses to be Completed at UAFS

Health Sciences

Allied Health, TC

Courses in the Technical Certificate in Allied Health are prerequisite to Associate of Applied Science programs in the Health Sciences Division. Completion of this Certificate does not mean you are admitted to any Health Sciences program. Consult with your advisor and refer to program specific policies for more information.

Fall - 14 Credit Hours

- ENG 1113 - English Composition I* **3 Credits**
 - MATH 1123 - College Algebra* **3 Credits**
 - BIOL 2224 - Anatomy & Physiology I* **4 Credits**
- Consult with your program advisor to select one of the following courses:*
- CHEM 1104 - Chemistry For Non-Majors* **4 Credits**
 - CHEM 1204 - General Chemistry I* **4 Credits**

Spring - 13-14 Credit Hours

- ENG 1123 - English Composition II* **3 Credits**
 - BIOL 2234 - Anatomy & Physiology II* **4 Credits**
- Consult with your program advisor to select one of the following courses:*
- CIS 1013 - Information Systems **3 Credits**
 - CIS 1023 - Introduction to Computing* **3 Credits**
- Consult with your program advisor to select one of the following courses:*
- ALH 1203 - Medical Terminology **3 Credits**
 - BIOL 2244 - Microbiology* **4 Credits**
 - SOC 1103 - Introduction To Sociology* **3 Credits**
 - SPCH 1103 - Fundamentals of Public Speaking* **3 Credits**

Summer/Fall - 3 Credit Hours

- PSYC 1103 - General Psychology* **3 Credits**

30-31 Minimum Credit Hours

Health Education, ASLAS for Transfer to UCA BS in Health Education

About This Degree

This curriculum is designed for persons who plan to obtain an Associate of Science in Liberal Arts and Sciences (ASLAS) degree at National Park College (NPC) and transfer to the University of Central Arkansas (UCA) to complete a Bachelor's degree.

Start Here / Finish There

NPC Faculty Mentor: T.J. Griffith (TJ.Griffith@np.edu) 501.760.4296

Prerequisite courses and/or developmental courses may need to be taken in addition to this suggested plan of study.

NPU Transfer Resources: • Transfer 101 • Transfer Checklists • Transfer FAQ

Students completing the Associate of Science in Liberal Arts and Sciences degree requirements, as shown above, with a minimum 2.0 cumulative GPA, will have satisfied the UCA Lower-Division Core and will be admitted to the corresponding degree program as a junior.

UCA Transfer Admission information and policies

UCA Transfer Scholarship information and policies

General Education Core - 35 Transferable Hours

- ORT 1000 - Student LMS Training **0 Credits**
- ORT 1100 - NPC Orientation **0 Credits**
- ENGLISH/COMMUNICATION - 9 CREDIT HOURS**
- ENG 1113 - English Composition I* **3 Credits**
- ENG 1123 - English Composition II* **3 Credits**
- SPCH 1103 - Fundamentals of Public Speaking* **3 Credits**
- MATHEMATICS - 3 CREDIT HOURS**
- MATH 1123 - College Algebra* **3 Credits**
- LAB SCIENCES - 8 CREDIT HOURS**
- BIOL 2224 - Anatomy & Physiology I* **4 Credits**
Select one of the following courses:
- CHEM 1104 - Chemistry For Non-Majors* **4 Credits**
- CHEM 1204 - General Chemistry I* **4 Credits**
- FINE ARTS/HUMANITIES - 6 CREDIT HOURS**
Select one of the following courses:
- ART 1593 - Art Appreciation* **3 Credits**
- MUS 1213 - Music Appreciation* **3 Credits**
- PHIL 1123 - Introduction To Philosophy* **3 Credits**
- SPAN 1103 - Beginning Spanish I* **3 Credits**
- SPAN 1113 - Beginning Spanish II* **3 Credits**
Select one of the following courses:
- ENG 2223 - American Literature I* **3 Credits**
- ENG 2233 - American Literature II* **3 Credits**
- ENG 2273 - World Literature I* **3 Credits**
- ENG 2283 - World Literature II* **3 Credits**
- SOCIAL SCIENCES - 9 CREDIT HOURS**
Select one of the following courses:
- HIST 2223 - United States History To 1865* **3 Credits**
- HIST 2233 - United States History Since 1865* **3 Credits**
- POLS 1113 - American National Government* **3 Credits**
Select one of the following courses:
- HIST 2253 - World Civilization To 1500* **3 Credits**
- HIST 2263 - World Civilization Since 1500* **3 Credits**
Select one of the following courses:
- PSYC 1103 - General Psychology* **3 Credits**
- SOC 1103 - Introduction To Sociology* **3 Credits**

Health Education Core - 25 Transferable Hours

- BIOL 2234 - Anatomy & Physiology II* **4 Credits**
- BIOL 2244 - Microbiology* **4 Credits**
- MATH 1293 - Introduction To Statistics* **3 Credits**

DIRECTED ELECTIVES

These courses have been specifically chosen for their relevance to this degree, however other courses may be chosen from the ACTS Transfer Course List.

- ALH 1203 - Medical Terminology **3 Credits**
- PE 1113 - Health And Safety* **3 Credits**
- PE 1102 - Life Fitness Concepts **2 Credits**
- SOC 2203 - Social Problems* **3 Credits**
- SOC 2113 - Cultural Diversity **3 Credits**

60 Total Program Hours

* Denotes NPC courses included in the Arkansas Course Transfer System (ACTS)

Remaining Courses to be Completed at UCA

Health Sciences (Health Services Administration), ASLAS for Transfer to UCA BS in Health Sciences (Health Services Administration)

About This Degree

This curriculum is designed for persons who plan to obtain an Associate of Science in Liberal Arts and Sciences (ASLAS) degree at National Park College (NPC) and transfer to the University of Central Arkansas (UCA) to complete a Bachelor's degree.

Start Here / Finish There

NPC Faculty Mentor: Gwendolyn Carter (Gwendolyn.Carter@np.edu) 501.760.4147

Prerequisite courses and/or developmental courses may need to be taken in addition to this suggested plan of study.

NPU Transfer Resources: • Transfer 101 • Transfer Checklists • Transfer FAQ

Students completing the Associate of Science in Liberal Arts and Sciences degree requirements, as shown above, with a minimum 2.0 cumulative GPA, will have satisfied the UCA Lower-Division Core and will be admitted to the corresponding degree program as a junior.

UCA Transfer Admission information and policies

UCA Transfer Scholarship information and policies

General Education Core - 35 Transferable Hours

- ORT 1100 - NPC Orientation **0 Credits**
 - ORT 1000 - Student LMS Training **0 Credits**
 - **ENGLISH/COMMUNICATION - 9 CREDIT HOURS**
 - ENG 1113 - English Composition I* **3 Credits**
 - ENG 1123 - English Composition II* **3 Credits**
 - SPCH 1103 - Fundamentals of Public Speaking* **3 Credits**
 - **MATHEMATICS - 3 CREDIT HOURS**
 - MATH 1123 - College Algebra* **3 Credits**
 - **LAB SCIENCES - 8 CREDIT HOURS**
 - BIOL 2224 - Anatomy & Physiology I* **4 Credits**
- Select one of the following courses:*
- CHEM 1104 - Chemistry For Non-Majors* **4 Credits**

- CHEM 1204 - General Chemistry I* **4 Credits**
- FINE ARTS/HUMANITIES - 6 CREDIT HOURS**

Select one of the following courses:

- ART 1593 - Art Appreciation* **3 Credits**
- MUS 1213 - Music Appreciation* **3 Credits**
- PHIL 1123 - Introduction To Philosophy* **3 Credits**
- SPAN 1103 - Beginning Spanish I* **3 Credits**
- SPAN 1113 - Beginning Spanish II* **3 Credits**

Select one of the following courses:

- ENG 2223 - American Literature I* **3 Credits**
- ENG 2233 - American Literature II* **3 Credits**
- ENG 2273 - World Literature I* **3 Credits**
- ENG 2283 - World Literature II* **3 Credits**

SOCIAL SCIENCES - 9 CREDIT HOURS

- PSYC 1103 - General Psychology* **3 Credits**

Select one of the following courses:

- HIST 2223 - United States History To 1865* **3 Credits**
- HIST 2233 - United States History Since 1865* **3 Credits**
- POLS 1113 - American National Government* **3 Credits**

Select one of the following courses:

- HIST 2253 - World Civilization To 1500* **3 Credits**
- HIST 2263 - World Civilization Since 1500* **3 Credits**

Health Services Administration Core - 25 Transferable Hours

- ACT 1103 - Principles Of Accounting I** **3 Credits**
- ACT 1113 - Principles Of Accounting II** **3 Credits**
- BIOL 2234 - Anatomy & Physiology II* **4 Credits**
- BIOL 2244 - Microbiology* **4 Credits**
- MATH 1293 - Introduction To Statistics* **3 Credits**
- PHYS 1204 - General Physics I* **4 Credits**
- PHYS 2204 - General Physics II* **4 Credits**

60 Total Program Hours

* Denotes NPC courses included in the Arkansas Course Transfer System (ACTS)

Remaining Courses to be Completed at UCA

History

History, ASLAS for Transfer to UCA BA in History

About This Degree

This curriculum is designed for persons who plan to obtain an Associate of Science in Liberal Arts and Sciences (ASLAS) degree at National Park College (NPC) and transfer to the University of Central Arkansas (UCA) to complete a Bachelor's degree.

Start Here / Finish There

NPC Faculty Mentor: Christopher Thrasher (Christopher.Thrasher@np.edu) 501.760.4282

Prerequisite courses and/or developmental courses may need to be taken in addition to this suggested plan of study.

NPU Transfer Resources: • Transfer 101 • Transfer Checklists • Transfer FAQ

Students completing the Associate of Science in Liberal Arts and Sciences degree requirements, as shown above, with a minimum 2.0 cumulative GPA, will have satisfied the UCA Lower-Division Core and will be admitted to the corresponding degree program as a junior.

UCA Transfer Admission information and policies

UCA Transfer Scholarship information and policies

General Education Core - 18 Credit Hours

- ORT 1000 - Student LMS Training **0 Credits**
- ORT 1100 - NPC Orientation **0 Credits**
- **ENGLISH/COMMUNICATION - 9 CREDIT HOURS**
- ENG 1113 - English Composition I* **3 Credits**
- ENG 1123 - English Composition II* **3 Credits**
- SPCH 1103 - Fundamentals of Public Speaking* **3 Credits**
- **MATHEMATICS - 3 CREDIT HOURS**
- *Select one of the following courses:*
- MATH 1213 - Quantitative Literacy* **3 Credits**
- MATH 1123 - College Algebra* **3 Credits**
- **FINE ARTS/HUMANITIES - 6 CREDIT HOURS**
- *Select one of the following courses:*
- ART 1593 - Art Appreciation* **3 Credits**
- MUS 1213 - Music Appreciation* **3 Credits**
- *Select one of the following courses:*
- ENG 2273 - World Literature I* **3 Credits**
- ENG 2283 - World Literature II* **3 Credits**

Section 2 - General Education and Foundation Core

LAB SCIENCES - 8 CREDIT HOURS

- BIOL 1114 - General Biology* **4 Credits**
also accepted: BIOL-2224
- PHYS 1114 - Physical Science* **4 Credits**
also accepted: CHEM-1104, CHEM-1204, ESCI-1104, GEOL-1104

SOCIAL SCIENCES - 9 CREDIT HOURS

- HIST 2223 - United States History To 1865* **3 Credits**
- HIST 2233 - United States History Since 1865* **3 Credits**
- HIST 2253 - World Civilization To 1500* **3 Credits**

HISTORY, BA CORE COURSES - 12 CREDIT HOURS

- HIST 2263 - World Civilization Since 1500* **3 Credits**
- SPAN 1103 - Beginning Spanish I* **3 Credits**
- SPAN 1113 - Beginning Spanish II* **3 Credits**
- SPAN 2113 - Intermediate Spanish I* **3 Credits**

DIRECTED ELECTIVES - 12 CREDIT HOURS

These courses have been specifically chosen for their relevance to this degree, however other courses may be chosen from the ACTS Transfer Course List.

Select four of the following courses:

- ANTH 1113 - General Anthropology* **3 Credits**
- PHIL 1123 - Introduction To Philosophy* **3 Credits**
- POLS 1113 - American National Government* **3 Credits**

- POLS 1123 - American State And Local Government* **3 Credits**
- PSYC 1103 - General Psychology* **3 Credits**
- GEOG 1103 - Introduction To Geography* **3 Credits**
- SOC 1103 - Introduction To Sociology* **3 Credits**

ELECTIVE - 1 CREDIT HOUR

Select from the following courses:

- MUS 1451 - National Park College Singers I **1 Credits**
- PE Any 1 CH - PE Course **1 Credits**

60 Total Program Hours

* Denotes NPC courses included in the Arkansas Course Transfer System (ACTS)

Remaining Courses to be Completed at UCA

History, ASLAS for Transfer to UCA BS in History

About This Degree

This curriculum is designed for persons who plan to obtain an Associate of Science in Liberal Arts and Sciences (ASLAS) degree at National Park College (NPC) and transfer to the University of Central Arkansas (UCA) to complete a Bachelor's degree.

Start Here / Finish There

NPC Faculty Mentor: Christopher Thrasher (Christopher.Thrasher@np.edu) 501.760.4282

Prerequisite courses and/or developmental courses may need to be taken in addition to this suggested plan of study.

NPU Transfer Resources: • Transfer 101 • Transfer Checklists • Transfer FAQ

Students completing the Associate of Science in Liberal Arts and Sciences degree requirements, as shown above, with a minimum 2.0 cumulative GPA, will have satisfied the UCA Lower-Division Core and will be admitted to the corresponding degree program as a junior.

UCA Transfer Admission information and policies

UCA Transfer Scholarship information and policies

General Education Core - 18 Credit Hours

- ORT 1000 - Student LMS Training **0 Credits**
- ORT 1100 - NPC Orientation **0 Credits**
- **ENGLISH/COMMUNICATION - 9 CREDIT HOURS**
- ENG 1113 - English Composition I* **3 Credits**
- ENG 1123 - English Composition II* **3 Credits**
- SPCH 1103 - Fundamentals of Public Speaking* **3 Credits**

MATHEMATICS - 3 CREDIT HOURS

- MATH 1123 - College Algebra* **3 Credits**

FINE ARTS/HUMANITIES - 6 CREDIT HOURS

Select one of the following courses:

- ART 1593 - Art Appreciation* **3 Credits**
- MUS 1213 - Music Appreciation* **3 Credits**
- PHIL 1123 - Introduction To Philosophy* **3 Credits**

Select one of the following courses:

- ENG 2273 - World Literature I* **3 Credits**
- ENG 2283 - World Literature II* **3 Credits**
- ENG 2223 - American Literature I* **3 Credits**
- ENG 2233 - American Literature II* **3 Credits**

General Education and Foundation Core - 42 Credit Hours

LAB SCIENCES - 8 CREDIT HOURS

- BIOL 1114 - General Biology* **4 Credits**
Select one of the following courses:
- CHEM 1104 - Chemistry For Non-Majors* **4 Credits**
- ESCI 1104 - Earth Science* **4 Credits**
- PHYS 1114 - Physical Science* **4 Credits**
- PHYS 1124 - Astronomy* **4 Credits**

HISTORY CORE COURSES - 12 CREDIT HOURS

- HIST 2223 - United States History To 1865* **3 Credits**
- HIST 2233 - United States History Since 1865* **3 Credits**
- HIST 2253 - World Civilization To 1500* **3 Credits**
- HIST 2263 - World Civilization Since 1500* **3 Credits**

Option 1 - Lab Science Core

Select one of the following pairs of courses:

- BIOL 2224 - Anatomy & Physiology I* **4 Credits**
- BIOL 2234 - Anatomy & Physiology II* **4 Credits**
or
- CHEM 1204 - General Chemistry I* **4 Credits**
- CHEM 2204 - General Chemistry II* **4 Credits**
or
- PHYS 1204 - General Physics I* **4 Credits**
- PHYS 2204 - General Physics II* **4 Credits**

DIRECTED ELECTIVES

These courses have been specifically chosen for their relevance to this degree. However other courses may be chosen from the ACTS Transfer Course List.

*Select **four** of the following courses:*

- ANTH 1113 - General Anthropology* **3 Credits**
- GEOG 1103 - Introduction To Geography* **3 Credits**
- HIST 1143 - Arkansas History **3 Credits**
- MATH 1293 - Introduction To Statistics* **3 Credits**
- POLS 1113 - American National Government* **3 Credits**
- POLS 1123 - American State And Local Government* **3 Credits**
- PSYC 1103 - General Psychology* **3 Credits**
- SOC 1103 - Introduction To Sociology* **3 Credits**

Select one of the following options:

- PE 1102 - Life Fitness Concepts **2 Credits**
or
- MUS 1451 - National Park College Singers I **1 Credits**
- MUS 1461 - National Park College Singers II **1 Credits**
or Two 1-hour PE courses
or MUS 1451 and One 1-hour PE course

Option 2 - Mathematics Core

- MATH 1213 - Quantitative Literacy* **3 Credits**
- MATH 1293 - Introduction To Statistics* **3 Credits**

DIRECTED ELECTIVES

These courses have been specifically chosen for their relevance to this degree, however other courses may be chosen from the ACTS Transfer Course List.

*Select **five** of the following courses:*

- ANTH 1113 - General Anthropology* **3 Credits**
- GEOG 1103 - Introduction To Geography* **3 Credits**
- HIST 1143 - Arkansas History **3 Credits**
- POLS 1113 - American National Government* **3 Credits**
- POLS 1123 - American State And Local Government* **3 Credits**
- PSYC 1103 - General Psychology* **3 Credits**
- SOC 1103 - Introduction To Sociology* **3 Credits**

Select one of the following courses:

- MUS 1451 - National Park College Singers I **1 Credits**
- PE Any 1 CH - PE Course **1 Credits**

60 Total Program Hours

* Denotes NPC courses included in the Arkansas Course Transfer System (ACTS)

Remaining Courses to be Completed at UCA

Hospitality and Tourism

Hospitality Administration, ASLAS for Transfer to ATU BS in Hospitality Administration (Event Management)

About This Degree

This curriculum is designed for persons who plan to obtain an Associate of Science in Liberal Arts and Sciences (ASLAS) degree at National Park College (NPC) and transfer to the Arkansas Tech University (ATU) to complete a Bachelor's degree.

Start Here / Finish There

NPC Faculty Mentor: Eve Victory (Eve.Victory@np.edu) 501.760.4277

Prerequisite courses and/or developmental courses may need to be taken in addition to this suggested plan of study.

NPU Transfer Resources: • Transfer 101 • Transfer Checklists • Transfer FAQ

ATU Transfer Admission information and policies

Additional ATU admission requirements for this program:

- The student will have earned the Associate of Science in Liberal Arts and Sciences at NPC with a minimum 2.00 cumulative grade point average (remedial course grades will not be computed in the cumulative GPA for purposes of admission to ATU)
- A grade of "C" or better is required for prior coursework that will be used to meet ATU's general education mathematics requirement and to satisfy transfer of Composition I and II

- ATU will accept grades of "D" for transfer; however, if the ATU course description requires a grade of "C" or better, the student may be required to repeat that specific course

ATU Transfer Scholarship information and policies

General Education Core - 35 Credit Hours

- ORT 1000 - Student LMS Training **0 Credits**
- ORT 1100 - NPC Orientation **0 Credits**

ENGLISH - 6 CREDIT HOURS

- ENG 1113 - English Composition I* **3 Credits**
- ENG 1123 - English Composition II* **3 Credits**

MATHEMATICS - 3 CREDIT HOURS

Select one of the following courses:

- MATH 1123 - College Algebra* **3 Credits**
- MATH 1213 - Quantitative Literacy* **3 Credits**

LAB SCIENCES - 8 CREDIT HOURS

- BIOL 1114 - General Biology* **4 Credits**
- CHEM 1104 - Chemistry For Non-Majors* **4 Credits**

FINE ARTS/HUMANITIES - 6 CREDIT HOURS

Select one of the following courses:

- ART 1593 - Art Appreciation* **3 Credits**
- MUS 1213 - Music Appreciation* **3 Credits**

Select one of the following courses:

- ENG 2223 - American Literature I* **3 Credits**
- ENG 2273 - World Literature I* **3 Credits**

US HISTORY/GOVERNMENT - 3 CREDIT HOURS

Select one of the following courses:

- HIST 2223 - United States History To 1865* **3 Credits**
- HIST 2233 - United States History Since 1865* **3 Credits**
- POLS 1113 - American National Government* **3 Credits**

SOCIAL SCIENCES - 9 CREDIT HOURS

- ECON 2203 - Macroeconomics* **3 Credits**
- PSYC 1103 - General Psychology* **3 Credits**
- SOC 1103 - Introduction To Sociology* **3 Credits**

Hospitality and Tourism Core - 28 Credit Hours

- ACT 1103 - Principles Of Accounting I** **3 Credits**
- HA 1011 - Sanitation and Safety **1 Credits**
- HA 1043 - Intro to the Hospitality Industry **3 Credits**
- HA 1063 - Hotel Operations & Guest Services **3 Credits**
- HA 1073 - Hospitality & Tourism Internship **3 Credits**

- HA 1103 - Principles Of Food Preparation I **3 Credits**
- HA 1113 - Principles Of Food Preparation II **3 Credits**
- HA 1203 - Introduction to Tourism **3 Credits**
- HA 1213 - Leadership in Hospitality and Tourism **3 Credits**

63 Total Program Hours

* Denotes NPC courses included in the Arkansas Course Transfer System (ACTS)

Remaining Courses to be Completed at ATU

Hospitality Administration, ASLAS for Transfer to ATU BS in Hospitality Administration (Food Service Management)

About This Degree

This curriculum is designed for persons who plan to obtain an Associate of Science in Liberal Arts and Sciences (ASLAS) degree at National Park College (NPC) and transfer to the Arkansas Tech University (ATU) to complete a Bachelor's degree.

Start Here / Finish There

NPC Faculty Mentor: Eve Victory (Eve.Victory@np.edu) 501.760.4277

Prerequisite courses and/or developmental courses may need to be taken in addition to this suggested plan of study.

NPU Transfer Resources: • Transfer 101 • Transfer Checklists • Transfer FAQ

ATU Transfer Admission information and policies

Additional ATU admission requirements for this program:

- The student will have earned the Associate of Science in Liberal Arts and Sciences at NPC with a minimum 2.00 cumulative grade point average (remedial course grades will not be computed in the cumulative GPA for purposes of admission to ATU)
- A grade of "C" or better is required for prior coursework that will be used to meet ATU's general education mathematics requirement and to satisfy transfer of Composition I and II
- ATU will accept grades of "D" for transfer; however, if the ATU course description requires a grade of "C" or better, the student may be required to repeat that specific course

ATU Transfer Scholarship information and policies

General Education Core - 35 Credit Hours

- ORT 1000 - Student LMS Training **0 Credits**
- ORT 1100 - NPC Orientation **0 Credits**

ENGLISH - 6 CREDIT HOURS

- ENG 1113 - English Composition I* **3 Credits**
- ENG 1123 - English Composition II* **3 Credits**

MATHEMATICS - 3 CREDIT HOURS

Select one of the following courses:

- MATH 1123 - College Algebra* **3 Credits**
- MATH 1213 - Quantitative Literacy* **3 Credits**

LAB SCIENCES - 8 CREDIT HOURS

- BIOL 1114 - General Biology* **4 Credits**
- CHEM 1104 - Chemistry For Non-Majors* **4 Credits**

FINE ARTS/HUMANITIES - 6 CREDIT HOURS

Select one of the following courses:

- ART 1593 - Art Appreciation* **3 Credits**
- MUS 1213 - Music Appreciation* **3 Credits**

Select one of the following courses:

- ENG 2223 - American Literature I* **3 Credits**
- ENG 2273 - World Literature I* **3 Credits**

US HISTORY/GOVERNMENT - 3 CREDIT HOURS

Select one of the following courses:

- HIST 2223 - United States History To 1865* **3 Credits**
- HIST 2233 - United States History Since 1865* **3 Credits**
- POLS 1113 - American National Government* **3 Credits**

SOCIAL SCIENCES - 9 CREDIT HOURS

- ECON 2203 - Macroeconomics* **3 Credits**
- PSYC 1103 - General Psychology* **3 Credits**
- SOC 1103 - Introduction To Sociology* **3 Credits**

Hospitality and Tourism Core - 28 Credit Hours

- ACT 1103 - Principles Of Accounting I** **3 Credits**
- HA 1011 - Sanitation and Safety **1 Credits**
- HA 1043 - Intro to the Hospitality Industry **3 Credits**
- HA 1063 - Hotel Operations & Guest Services **3 Credits**
- HA 1073 - Hospitality & Tourism Internship **3 Credits**
- HA 1103 - Principles Of Food Preparation I **3 Credits**
- HA 1113 - Principles Of Food Preparation II **3 Credits**
- HA 1203 - Introduction to Tourism **3 Credits**
- HA 1213 - Leadership in Hospitality and Tourism **3 Credits**

63 Total Program Hours

* Denotes NPC courses included in the Arkansas Course Transfer System (ACTS)

Remaining Courses to be Completed at ATU

ATU Transfer Student Information

Hospitality Administration, ASLAS for Transfer to ATU BS in Hospitality Administration (Lodging Management)

About This Degree

This curriculum is designed for persons who plan to obtain an Associate of Science in Liberal Arts and Sciences (ASLAS) degree at National Park College (NPC) and transfer to the Arkansas Tech University (ATU) to complete a Bachelor's degree.

Start Here / Finish There

NPC Faculty Mentor: Eve Victory (Eve.Victory@np.edu) 501.760.4277

Prerequisite courses and/or developmental courses may need to be taken in addition to this suggested plan of study.

NPU Transfer Resources: • Transfer 101 • Transfer Checklists • Transfer FAQ

ATU Transfer Admission information and policies

Additional ATU admission requirements for this program:

- The student will have earned the Associate of Science in Liberal Arts and Sciences at NPC with a minimum 2.00 cumulative grade point average (remedial course grades will not be computed in the cumulative GPA for purposes of admission to ATU)
- A grade of "C" or better is required for prior coursework that will be used to meet ATU's general education mathematics requirement and to satisfy transfer of Composition I and II
- ATU will accept grades of "D" for transfer; however, if the ATU course description requires a grade of "C" or better, the student may be required to repeat that specific course

ATU Transfer Scholarship information and policies

General Education Core - 35 Credit Hours

- ORT 1000 - Student LMS Training **0 Credits**
- ORT 1100 - NPC Orientation **0 Credits**

ENGLISH - 6 CREDIT HOURS

- ENG 1113 - English Composition I* **3 Credits**
- ENG 1123 - English Composition II* **3 Credits**

MATHEMATICS - 3 CREDIT HOURS

Select one of the following courses:

- MATH 1123 - College Algebra* **3 Credits**
- MATH 1213 - Quantitative Literacy* **3 Credits**

LAB SCIENCES - 8 CREDIT HOURS

- BIOL 1114 - General Biology* **4 Credits**
- CHEM 1104 - Chemistry For Non-Majors* **4 Credits**

FINE ARTS/HUMANITIES - 6 CREDIT HOURS

Select one of the following courses:

- ART 1593 - Art Appreciation* **3 Credits**
- MUS 1213 - Music Appreciation* **3 Credits**

Select one of the following courses:

- ENG 2223 - American Literature I* **3 Credits**
- ENG 2273 - World Literature I* **3 Credits**

US HISTORY/GOVERNMENT - 3 CREDIT HOURS

Select one of the following courses:

- HIST 2223 - United States History To 1865* **3 Credits**
- HIST 2233 - United States History Since 1865* **3 Credits**
- POLS 1113 - American National Government* **3 Credits**

SOCIAL SCIENCES - 9 CREDIT HOURS

- ECON 2203 - Macroeconomics* **3 Credits**
- PSYC 1103 - General Psychology* **3 Credits**
- SOC 1103 - Introduction To Sociology* **3 Credits**

Hospitality and Tourism Core - 28 Credit Hours

- ACT 1103 - Principles Of Accounting I** **3 Credits**
- HA 1011 - Sanitation and Safety **1 Credits**
- HA 1043 - Intro to the Hospitality Industry **3 Credits**
- HA 1063 - Hotel Operations & Guest Services **3 Credits**
- HA 1073 - Hospitality & Tourism Internship **3 Credits**
- HA 1103 - Principles Of Food Preparation I **3 Credits**
- HA 1113 - Principles Of Food Preparation II **3 Credits**
- HA 1203 - Introduction to Tourism **3 Credits**
- HA 1213 - Leadership in Hospitality and Tourism **3 Credits**

63 Total Program Hours

* Denotes NPC courses included in the Arkansas Course Transfer System (ACTS)

Remaining Courses to be Completed at ATU

ATU Transfer Student Information

Hospitality and Tourism Management, AAS

The AAS degree in Hospitality and Tourism Administration will provide students with a solid knowledge base upon which to build a career in the hospitality industry.

General Education Core - 15 Credit Hours

- ORT 1000 - Student LMS Training **0 Credits**
- ORT 1100 - NPC Orientation **0 Credits**

Select two of the following courses:

- ENG 1113 - English Composition I* **3 Credits**
- ENG 1123 - English Composition II* **3 Credits**
- ENG 1133 - Technical Report Writing* **3 Credits**

Select one of the following courses:

- MATH 1123 - College Algebra* **3 Credits**
- MATH 1213 - Quantitative Literacy* **3 Credits**

Select one of the following courses:

- CIS 1013 - Information Systems **3 Credits**

- CIS 1023 - Introduction to Computing* **3 Credits**
Select one of the following courses:
- HIST 2223 - United States History To 1865* **3 Credits**
- HIST 2233 - United States History Since 1865* **3 Credits**
- POLS 1113 - American National Government* **3 Credits**
- PSYC 1103 - General Psychology* **3 Credits**
- SOC 1103 - Introduction To Sociology* **3 Credits**

Major Specific Courses - 46 Credit Hours

- HA 1011 - Sanitation and Safety **1 Credits**
- HA 1043 - Intro to the Hospitality Industry **3 Credits**
- HA 1053 - Intro. To Food & Beverage Mgmt. **3 Credits**
- HA 1063 - Hotel Operations & Guest Services **3 Credits**
- HA 1073 - Hospitality & Tourism Internship **3 Credits**
- HA 1103 - Principles Of Food Preparation I **3 Credits**
- HA 1113 - Principles Of Food Preparation II **3 Credits**
- HA 1203 - Introduction to Tourism **3 Credits**
- HA 1213 - Leadership in Hospitality and Tourism **3 Credits**

STRUCTURED ELECTIVES:

Select six of the following courses:

- ACT 1003 - Basic Accounting **3 Credits**
- ACT 1103 - Principles Of Accounting I** **3 Credits**
- ALH 2003 - Nutrition **3 Credits**
- BUS 1113 - Introduction To Business** **3 Credits**
- BUS 1143 - Introduction To Marketing** **3 Credits**
- BUS 1223 - Human Resource Management **3 Credits**
- BUS 2033 - Business Communications** **3 Credits**
- BUS 2203 - Business Law** **3 Credits**
- BUS 2343 - Advertising **3 Credits**
- CIS 1813 - Computer Law & Ethics **3 Credits**
- HPR 1113 - Personal Safety And First Aid **3 Credits**
- SPAN 1103 - Beginning Spanish I* **3 Credits**
- SPAN 1113 - Beginning Spanish II* **3 Credits**
- SUPM 1123 - Introduction To Supervision **3 Credits**

61 Credit Hours Total

See your NPC Advisor for degree and graduation information.

Transfer option: Hospitality and Tourism Management, AAS for Transfer to UAFS BAS (Emphasis - Management & Leadership)

Purpose of AAS Degree

The Associate of Applied Science Degree is designed for employment purposes, and it should not be assumed that the degree or the courses in the degree can be transferred to another institution. While some institutions do accept some courses in AAS Programs, the general rule is that courses in AAS. Degrees are not accepted in transfer toward bachelor's degrees. Students to whom transfer is important should get assurances in writing in advance from the institution to which they wish to transfer.

Hospitality and Tourism Management, AAS for Transfer to UAFS BAS (Emphasis - Management & Leadership)

About This Degree

National Park College (NPC) students who have completed an Associate of Applied Science (AAS)* degree may transfer into the Bachelor of Applied Science (BAS) degree program at the University of Arkansas at Ft. Smith (UAFS). This degree provides students with the skills and knowledge necessary to either assume management and leadership roles in business and industry or to enhance current employment. **The BAS degree is not specific to any NPC program area or concentration.**

This degree requires a total of 120 semester credit hours, including at least 40 upper-level credit hours completed at UAFS. NPC students may transfer 75 hours of lower-level courses to UAFS.

Start Here / Finish Online

NPC Mentor: Jennifer Lyons (Jennifer.Lyons@np.edu) 501.760.4256

Prerequisite courses and/or developmental courses may need to be taken in addition to this suggested plan of study.

NPU Transfer Resources: • Transfer 101 • Transfer Checklists • Transfer FAQ

NPC-to-UAFS Pre-Graduation Transfer Degree Checklist

NPC-to-UAFS Post-Graduation Transfer Degree Checklist

UAFS Admissions Requirements

Students must have a 2.0 (on a 4.0 scale) cumulative GPA on all previous coursework to be eligible for admission to UAFS.

*The curriculum prepares you for licensure/certification in Arkansas.

General Education Core - 15 Credit Hours

- ORT 1000 - Student LMS Training **0 Credits**
- ORT 1100 - NPC Orientation **0 Credits**

Select two of the following courses:

- ENG 1113 - English Composition I* **3 Credits**
- ENG 1123 - English Composition II* **3 Credits**
- ENG 1133 - Technical Report Writing* **3 Credits**

Select one of the following courses:

- MATH 1123 - College Algebra* **3 Credits**
- MATH 1213 - Quantitative Literacy* **3 Credits**

Select one of the following courses:

- CIS 1013 - Information Systems **3 Credits**
- CIS 1023 - Introduction to Computing* **3 Credits**

Select one of the following courses:

- HIST 2223 - United States History To 1865* **3 Credits**
- HIST 2233 - United States History Since 1865* **3 Credits**
- POLS 1113 - American National Government* **3 Credits**
- PSYC 1103 - General Psychology* **3 Credits**
- SOC 1103 - Introduction To Sociology* **3 Credits**

Major Specific Courses - 46 Credit Hours

- HA 1011 - Sanitation and Safety **1 Credits**

- HA 1043 - Intro to the Hospitality Industry **3 Credits**
- HA 1053 - Intro. To Food & Beverage Mgmt. **3 Credits**
- HA 1063 - Hotel Operations & Guest Services **3 Credits**
- HA 1073 - Hospitality & Tourism Internship **3 Credits**
- HA 1103 - Principles Of Food Preparation I **3 Credits**
- HA 1113 - Principles Of Food Preparation II **3 Credits**
- HA 1203 - Introduction to Tourism **3 Credits**
- HA 1213 - Leadership in Hospitality and Tourism **3 Credits**

STRUCTURED ELECTIVES:

Select six of the following courses:

- ACT 1003 - Basic Accounting **3 Credits**
- ACT 1103 - Principles Of Accounting I** **3 Credits**
- ALH 2003 - Nutrition **3 Credits**
- BUS 1113 - Introduction To Business** **3 Credits**
- BUS 1143 - Introduction To Marketing** **3 Credits**
- BUS 1223 - Human Resource Management **3 Credits**
- BUS 2033 - Business Communications** **3 Credits**
- BUS 2203 - Business Law** **3 Credits**
- BUS 2343 - Advertising **3 Credits**
- CIS 1813 - Computer Law & Ethics **3 Credits**
- HPR 1113 - Personal Safety And First Aid **3 Credits**
- SPAN 1103 - Beginning Spanish I* **3 Credits**
- SPAN 1113 - Beginning Spanish II* **3 Credits**
- SUPM 1123 - Introduction To Supervision **3 Credits**

61 Total Program Hours

* Denotes NPC courses included in the Arkansas Course Transfer System (ACTS)

Additional Hours

Contact your Academic Advisor for assistance

UAFS recognizes 49 NPC credit hours from this Associate of Applied Science degree.

UAFS will also accept 26 additional hours from courses listed below taken at NPC for a maximum of 75 transferable hours. These courses may also be taken at UAFS (campus or online, if available).

8 hours Lab Sciences

If you choose to take a Lab Science class online, please note:

- NPC courses may require up to two on-campus lab meetings each semester
- UAFS course lectures are available online, but all related lab sessions meet on campus

Select two of the following courses:

- BIOL 1114 - General Biology* **4 Credits**
- BIOL 2224 - Anatomy & Physiology I* **4 Credits**
- BIOL 2244 - Microbiology* **4 Credits**
- CHEM 1104 - Chemistry For Non-Majors* **4 Credits**
- CHEM 1204 - General Chemistry I* **4 Credits**
- ESCI 1104 - Earth Science* **4 Credits**
- GEOL 1104 - Physical Geology* **4 Credits**
- PHYS 1114 - Physical Science* **4 Credits**

- PHYS 1204 - General Physics I* **4 Credits**

18 hours selected from the following courses which may be taken at NPC (campus or online if available) or at UAFS (campus or online)

MATHEMATICS - 3 CREDIT HOURS

Select one of the following courses:

- BUS 2123 - Business Statistics** **3 Credits**
- MATH 1133 - Trigonometry* **3 Credits**
- MATH 1293 - Introduction To Statistics* **3 Credits**
- BUS 2213 - Business Calculus **3 Credits**

ORAL COMMUNICATION - 3 CREDIT HOURS

- SPCH 1103 - Fundamentals of Public Speaking* **3 Credits**

FINE ARTS - 3 CREDIT HOURS

Select one of the following courses:

- ART 1593 - Art Appreciation* **3 Credits**
- MUS 1213 - Music Appreciation* **3 Credits**
- SPAN 1103 - Beginning Spanish I* **3 Credits**

Also accepted: PHIL 1123 Introduction to Philosophy

HUMANITIES - 3 CREDIT HOURS

Select one of the following courses:

- ENG 2223 - American Literature I* **3 Credits**
- ENG 2233 - American Literature II* **3 Credits**
- ENG 2273 - World Literature I* **3 Credits**
- ENG 2283 - World Literature II* **3 Credits**

Also accepted: PHIL 1123 Introduction to Philosophy

HISTORY/GOVERNMENT/SOCIAL SCIENCES - 6 CREDIT HOURS

UAFS will accept from NPC a total of nine credit hours in History/Government/Social Studies.

Option 1

You completed PSYC 1103 General Psychology, SOC 1103 Introduction to Sociology, or a World History course as part of your AAS.

Select one of the following courses:

- HIST 2223 - United States History To 1865* **3 Credits**
- HIST 2233 - United States History Since 1865* **3 Credits**
- POLS 1113 - American National Government* **3 Credits**

Select one of the following courses:

- ANTH 1113 - General Anthropology* **3 Credits**
- ECON 2203 - Macroeconomics* **3 Credits**
- ECON 2213 - Microeconomics* **3 Credits**
- HIST 2253 - World Civilization To 1500* **3 Credits**
- HIST 2263 - World Civilization Since 1500* **3 Credits**
- POLS 1123 - American State And Local Government* **3 Credits**
- SOC 2203 - Social Problems* **3 Credits**

Option 2

You completed American National Government or a US History course as part of your AAS.

Select two of the following courses:

- ANTH 1113 - General Anthropology* **3 Credits**
- ECON 2203 - Macroeconomics* **3 Credits**
- ECON 2213 - Microeconomics* **3 Credits**
- HIST 2253 - World Civilization To 1500* **3 Credits**
- HIST 2263 - World Civilization Since 1500* **3 Credits**
- POLS 1123 - American State And Local Government* **3 Credits**
- PSYC 1103 - General Psychology* **3 Credits**
- SOC 1103 - Introduction To Sociology* **3 Credits**
- SOC 2203 - Social Problems* **3 Credits**

Remaining Courses to be Completed at UAFS

Hospitality and Tourism Management, TC

The mission of the Hospitality Administration Program is to provide knowledge and practical experience for students seeking employment in a variety of hospitality settings. The program also affords an AAS for those students wishing to receive certifications in American Hotel and Lodging and National Restaurant Association.

General Core - 6 Credit Hours

- ORT 1000 - Student LMS Training **0 Credits**
- ORT 1100 - NPC Orientation **0 Credits**

COMPUTER LITERACY - 3 CREDIT HOURS

Select one of the following courses:

- CIS 1023 - Introduction to Computing* **3 Credits**
- CIS 1013 - Information Systems **3 Credits**

MATHEMATICS - 3 CREDIT HOURS

Select one of the following courses:

- MATH 1213 - Quantitative Literacy* **3 Credits**
- TECM 1103 - Technical Math I **3 Credits**

Hospitality and Tourism Core - 28 Credit Hours

- HA 1011 - Sanitation and Safety **1 Credits**
- HA 1043 - Intro to the Hospitality Industry **3 Credits**
- HA 1103 - Principles Of Food Preparation I **3 Credits**
- HA 1053 - Intro. To Food & Beverage Mgmt. **3 Credits**
- HA 1063 - Hotel Operations & Guest Services **3 Credits**
- HA 1073 - Hospitality & Tourism Internship **3 Credits**
- HA 1113 - Principles Of Food Preparation II **3 Credits**
- HA 1203 - Introduction to Tourism **3 Credits**
- HA 1213 - Leadership in Hospitality and Tourism **3 Credits**
- HA 2223 - Restaurant & Events Management **3 Credits**

34 Credit Hours Total

See your NPC Academic or Faculty Advisor for degree and graduation information

Hospitality Management, CP

College Required Courses

Required for all new NPC students

- ORT 1000 - Student LMS Training **0 Credits**
- ORT 1100 - NPC Orientation **0 Credits**

Required Courses - 18 Credit Hours

- HA 1043 - Intro to the Hospitality Industry **3 Credits**
- HA 1103 - Principles Of Food Preparation I **3 Credits**
- HA 1053 - Intro. To Food & Beverage Mgmt. **3 Credits**
- HA 1063 - Hotel Operations & Guest Services **3 Credits**
- HA 1113 - Principles Of Food Preparation II **3 Credits**
- HA 2223 - Restaurant & Events Management **3 Credits**

18 Credit Hours Total

Humanities

Bible and Ministry, ASLAS for Transfer to HU (Harding University) BA in Bible and Ministry

About This Degree

This curriculum* is designed for persons who plan to obtain an Associate of Science in Liberal Arts and Sciences (ASLAS) degree at National Park College (NPC) and transfer to the Harding University (HU) to complete a Bachelor's degree.

Start Here / Finish There

NPC Faculty Mentor: Chuck Argo (Chuck.Argo@np.edu) 501.760.4154

Prerequisite courses and/or developmental courses may need to be taken in addition to this suggested plan of study.

NPU Transfer Resources: • Transfer 101 • Transfer Checklists • Transfer FAQ

- Additional HSU admittance requirements for this program:
- HU will maintain exclusive responsibility for admission
- The student must meet all criteria required for undergraduate admission to HU.
- The student will have earned the Associate of Science in Liberal Arts and Sciences at NPC, with at least a 2.0 cumulative grade point average
- Students must meet all degree-specific criteria to be admitted to a degree program that requires admission.

HU Transfer Admission information and policies

Contact the NPU Transfer Center Coordinator for special HU Transfer Scholarship information for NPC transfer students

Required Courses

Bible and Ministry for Transfer to HU BA in Bible and Ministry

60 Total Program Hours

Philosophy, ASLAS for Transfer to UCA BA in Philosophy

About This Degree

This curriculum is designed for persons who plan to obtain an Associate of Science in Liberal Arts and Sciences (ASLAS) degree at National Park College (NPC) and transfer to the University of Central Arkansas (UCA) to complete a Bachelor's degree.

Start Here / Finish There

NPC Faculty Mentor: Roger Fox (Roger.Fox@np.edu) 501.760.4270

Prerequisite courses and/or developmental courses may need to be taken in addition to this suggested plan of study.

NPU Transfer Resources: • Transfer 101 • Transfer Checklists • Transfer FAQ

Students completing the Associate of Science in Liberal Arts and Sciences degree requirements, as shown above, with a minimum 2.0 cumulative GPA, will have satisfied the UCA Lower-Division Core and will be admitted to the corresponding degree program as a junior.

UCA Transfer Admission information and policies

UCA Transfer Scholarship information and policies

General Education Core - 27 Credit Hours

- ORT 1000 - Student LMS Training **0 Credits**
- ORT 1100 - NPC Orientation **0 Credits**
- ENGLISH/COMMUNICATION - 9 CREDIT HOURS**
- ENG 1113 - English Composition I* **3 Credits**
- ENG 1123 - English Composition II* **3 Credits**
- SPCH 1103 - Fundamentals of Public Speaking* **3 Credits**
- MATHEMATICS - 3 CREDIT HOURS**
- Select one of the following courses:*
- MATH 1213 - Quantitative Literacy* **3 Credits**
- MATH 1123 - College Algebra* **3 Credits**
- FINE ARTS/HUMANITIES - 6 CREDIT HOURS**
- Select one of the following courses:*
- ART 1593 - Art Appreciation* **3 Credits**
- MUS 1213 - Music Appreciation* **3 Credits**
- PHIL 1123 - Introduction To Philosophy* **3 Credits**
- Select one of the following courses:*
- ENG 2273 - World Literature I* **3 Credits**
- ENG 2283 - World Literature II* **3 Credits**
- ENG 2223 - American Literature I* **3 Credits**
- ENG 2233 - American Literature II* **3 Credits**
- SOCIAL SCIENCES - 9 CREDIT HOURS**
- Select one of the following courses:*
- HIST 2223 - United States History To 1865* **3 Credits**
- HIST 2233 - United States History Since 1865* **3 Credits**
- POLS 1113 - American National Government* **3 Credits**
- Select one of the following courses:*
- HIST 2253 - World Civilization To 1500* **3 Credits**
- HIST 2263 - World Civilization Since 1500* **3 Credits**
- Select one of the following courses:*
- PSYC 1103 - General Psychology* **3 Credits**
- SOC 1103 - Introduction To Sociology* **3 Credits**
- ANTH 1113 - General Anthropology* **3 Credits**

- ECON 2203 - Macroeconomics* **3 Credits**
- ECON 2213 - Microeconomics* **3 Credits**
- GEOG 1103 - Introduction To Geography* **3 Credits**
- POLS 1123 - American State And Local Government* **3 Credits**
- SOC 2203 - Social Problems* **3 Credits**

General Education and Foundation Core - 33 Credit Hours

- BIOL 1114 - General Biology* **4 Credits**
also accepted: BIOL-2224
- PHYS 1114 - Physical Science* **4 Credits**
also accepted: CHEM-1104, CHEM-1204, ESCI-1104, GEOL-1104

PHILOSOPHY, BA CORE COURSES - 25 CREDIT HOURS

- PHIL 1123 - Introduction To Philosophy* **3 Credits**
- SPAN 1103 - Beginning Spanish I* **3 Credits**
- SPAN 1113 - Beginning Spanish II* **3 Credits**
- SPAN 2113 - Intermediate Spanish I* **3 Credits**

DIRECTED ELECTIVES

These courses have been specifically chosen for their relevance to this degree, however other courses may be chosen from the ACTS Transfer Course List.

*Select **four** of the following courses:*

- ART 2213 - Art History I* **3 Credits**
- ECON 2203 - Macroeconomics* **3 Credits**
- ECON 2213 - Microeconomics* **3 Credits**
- GEOG 1103 - Introduction To Geography* **3 Credits**
- HIST 2253 - World Civilization To 1500* **3 Credits**
- HIST 2263 - World Civilization Since 1500* **3 Credits**
- MATH 1293 - Introduction To Statistics* **3 Credits**
- POLS 1113 - American National Government* **3 Credits**
- POLS 1123 - American State And Local Government* **3 Credits**
- PSYC 1103 - General Psychology* **3 Credits**
- SOC 1103 - Introduction To Sociology* **3 Credits**

*Select **one** of the following courses:*

- MUS 1451 - National Park College Singers I **1 Credits**
- PE Any 1 CH - PE Course **1 Credits**

60 Total Program Hours

* Denotes NPC courses included in the Arkansas Course Transfer System (ACTS)

Remaining Courses to be Completed at UCA

Philosophy, ASLAS for Transfer to UCA BS in Philosophy

About This Degree

This curriculum is designed for persons who plan to obtain an Associate of Science in Liberal Arts and Sciences (ASLAS) degree at National Park College (NPC) and transfer to the University of Central Arkansas (UCA) to complete a Bachelor's degree.

Start Here / Finish There

NPC Faculty Mentor: Roger Fox (Roger.Fox@np.edu) 501.760.4270

Prerequisite courses and/or developmental courses may need to be taken in addition to this suggested plan of study.

NPU Transfer Resources: • Transfer 101 • Transfer Checklists • Transfer FAQ

Students completing the Associate of Science in Liberal Arts and Sciences degree requirements, as shown above, with a minimum 2.0 cumulative GPA, will have satisfied the UCA Lower-Division Core and will be admitted to the corresponding degree program as a junior.

UCA Transfer Admission information and policies

UCA Transfer Scholarship information and policies

General Education Core - 27 Credit Hours

- ORT 1000 - Student LMS Training **0 Credits**
- ORT 1100 - NPC Orientation **0 Credits**
- ENGLISH/COMMUNICATION - 9 CREDIT HOURS**
- ENG 1113 - English Composition I* **3 Credits**
- ENG 1123 - English Composition II* **3 Credits**
- SPCH 1103 - Fundamentals of Public Speaking* **3 Credits**
- MATHEMATICS - 3 CREDIT HOURS**
- MATH 1123 - College Algebra* **3 Credits**
- FINE ARTS/HUMANITIES - 6 CREDIT HOURS**
- Select one of the following courses:*
- ART 1593 - Art Appreciation* **3 Credits**
- MUS 1213 - Music Appreciation* **3 Credits**
- Select one of the following courses:*
- ENG 2273 - World Literature I* **3 Credits**
- ENG 2283 - World Literature II* **3 Credits**
- ENG 2223 - American Literature I* **3 Credits**
- ENG 2233 - American Literature II* **3 Credits**
- SOCIAL SCIENCES - 9 CREDIT HOURS**
- Select one of the following courses:*
- HIST 2223 - United States History To 1865* **3 Credits**
- HIST 2233 - United States History Since 1865* **3 Credits**
- POLS 1113 - American National Government* **3 Credits**
- Select one of the following courses:*
- HIST 2253 - World Civilization To 1500* **3 Credits**
- HIST 2263 - World Civilization Since 1500* **3 Credits**
- Select one of the following courses except:*
- PSYC 1103 - General Psychology* **3 Credits**
- SOC 1103 - Introduction To Sociology* **3 Credits**
- ANTH 1113 - General Anthropology* **3 Credits**
- ECON 2203 - Macroeconomics* **3 Credits**
- ECON 2213 - Microeconomics* **3 Credits**
- GEOG 1103 - Introduction To Geography* **3 Credits**
- POLS 1123 - American State And Local Government* **3 Credits**
- SOC 2203 - Social Problems* **3 Credits**

General Education and Foundation Core - 33 Credit Hours

- PHIL 1123 - Introduction To Philosophy* **3 Credits**

- BIOL 1114 - General Biology* **4 Credits**
Select one of the following courses:
- CHEM 1104 - Chemistry For Non-Majors* **4 Credits**
- ESCI 1104 - Earth Science* **4 Credits**
- PHYS 1114 - Physical Science* **4 Credits**
- PHYS 1124 - Astronomy* **4 Credits**

Option 1 - Lab Science Core

Select one of the following pairs of courses:

- BIOL 2224 - Anatomy & Physiology I* **4 Credits**
- BIOL 2234 - Anatomy & Physiology II* **4 Credits**
or
- CHEM 1204 - General Chemistry I* **4 Credits**
- CHEM 2204 - General Chemistry II* **4 Credits**
or
- PHYS 1204 - General Physics I* **4 Credits**
- PHYS 2204 - General Physics II* **4 Credits**

DIRECTED ELECTIVES

These courses have been specifically chosen for their relevance to this degree, however other courses may be chosen from the ACTS Transfer Course List.

*Select **four** of the following courses:*

- ART 2213 - Art History I* **3 Credits**
- ECON 2203 - Macroeconomics* **3 Credits**
- ECON 2213 - Microeconomics* **3 Credits**
- GEOG 1103 - Introduction To Geography* **3 Credits**
- HIST 2253 - World Civilization To 1500* **3 Credits**
- HIST 2263 - World Civilization Since 1500* **3 Credits**
- MATH 1293 - Introduction To Statistics* **3 Credits**
- POLS 1113 - American National Government* **3 Credits**
- POLS 1123 - American State And Local Government* **3 Credits**
- PSYC 1103 - General Psychology* **3 Credits**
- SOC 1103 - Introduction To Sociology* **3 Credits**

Select from the following options:

- PE 1102 - Life Fitness Concepts **2 Credits**
or
- MUS 1451 - National Park College Singers I **1 Credits**
- MUS 1461 - National Park College Singers II **1 Credits**
or Two 1-hour PE courses
or MUS 1451 and One 1-hour PE course

Option 2 - Mathematics Core

- MATH 1213 - Quantitative Literacy* **3 Credits**
- MATH 1293 - Introduction To Statistics* **3 Credits**

DIRECTED ELECTIVES

These courses have been specifically chosen for their relevance to this degree, however other courses may be chosen from the ACTS Transfer Course List.

Select five of the following courses:

- ART 2213 - Art History I* **3 Credits**
- ECON 2203 - Macroeconomics* **3 Credits**
- ECON 2213 - Microeconomics* **3 Credits**
- GEOG 1103 - Introduction To Geography* **3 Credits**
- HIST 2253 - World Civilization To 1500* **3 Credits**
- HIST 2263 - World Civilization Since 1500* **3 Credits**
- POLS 1113 - American National Government* **3 Credits**
- POLS 1123 - American State And Local Government* **3 Credits**
- PSYC 1103 - General Psychology* **3 Credits**
- SOC 1103 - Introduction To Sociology* **3 Credits**

Select one of the following courses:

- MUS 1451 - National Park College Singers I **1 Credits**
- PE Any 1 CH - PE Course **1 Credits**

60 Total Program Hours

* Denotes NPC courses included in the Arkansas Course Transfer System (ACTS)

Remaining Courses to be Completed at UCA

Industrial Technology

Industrial Controls, CP

Certificates of Proficiency under 16 hours are not eligible for Financial Aid. See a Financial Aid representative for more information.

College Required Courses

Required for all new NPC students

- ORT 1000 - Student LMS Training **0 Credits**
- ORT 1100 - NPC Orientation **0 Credits**

Technical Core - 10 Credit Hours Total

- INDT 1014 - Industrial Fundamentals **4 Credits**
- INDT 1033 - Fundamentals of Electricity **3 Credits**
- INDT 1043 - Industrial Motor Controls **3 Credits**

10 Credit Hours Total

Industrial Technology, TC

Applicants for the Industrial Technology program must submit an application to the Technical and Professional Division.

: Industrial Technology, TC

: Industrial Technology, TC (Evening Plan)

General Education Core - 6 Credit Hours

- ORT 1000 - Student LMS Training **0 Credits**
- ORT 1100 - NPC Orientation **0 Credits**

COMPUTER LITERACY - 3 CREDIT HOURS

Select one of the following courses:

- CIS 1023 - Introduction to Computing* **3 Credits**
- CIS 1013 - Information Systems **3 Credits**

MATHEMATICS - 3 CREDIT HOURS

Select one of the following courses:

- MATH 1213 - Quantitative Literacy* **3 Credits**
- TECM 1103 - Technical Math I **3 Credits**

Technical Core - 25 Credit Hours

- INDT 1014 - Industrial Fundamentals **4 Credits**
- INDT 1022 - Blueprint Reading **2 Credits**
- INDT 1013 - Mechanical Devices & Systems **3 Credits**
- INDT 1023 - Fluid Power (Hydraulics/Pneumatics) **3 Credits**
- INDT 1033 - Fundamentals of Electricity **3 Credits**
- INDT 1043 - Industrial Motor Controls **3 Credits**
- INDT 1054 - Programmable Logic Controllers **4 Credits**
- INDT 1073 - Welding for Maintenance Technicians **3 Credits**

31 Minimum Credit Hours Total

Mechanical Systems, CP

Certificates of Proficiency under 16 hours are not eligible for Financial Aid. See a Financial Aid representative for more information.

College Required Courses

Required for all new NPC students

- ORT 1000 - Student LMS Training **0 Credits**
- ORT 1100 - NPC Orientation **0 Credits**

Technical Core - 10 Credit Hours Total

- INDT 1014 - Industrial Fundamentals **4 Credits**
- INDT 1013 - Mechanical Devices & Systems **3 Credits**
- INDT 1023 - Fluid Power (Hydraulics/Pneumatics) **3 Credits**

10 Credit Hours Total

Liberal Studies

Associate of Liberal Studies

Associate of Liberal Studies Degree (ALS) offers students maximum flexibility in selecting courses to meet their individual employment and educational needs. Although many courses leading to the Associate of Liberal Studies degree may be transferable on an individual basis, sometimes the combination of courses will not complete a major area suitable for transfer. Students should see a counselor or advisor pertaining to the transfer of courses taken to complete the Associate of Liberal Studies Degree.

General Education Core - 26 Credit Hours

- ORT 1100 - NPC Orientation **0 Credits**
- ORT 1000 - Student LMS Training **0 Credits**

ENGLISH - 6 CREDIT HOURS

Select two of the following courses:

- ENG 1113 - English Composition I* **3 Credits**
- ENG 1123 - English Composition II* **3 Credits**

- ENG 1133 - Technical Report Writing* **3 Credits**

MATHEMATICS - 3 CREDIT HOURS

Select one of the following courses:

- MATH 1123 - College Algebra* **3 Credits**
- MATH 1213 - Quantitative Literacy* **3 Credits**

LIFE SCIENCE - 4 CREDIT HOURS

Select one of the following courses:

- BIOL 1114 - General Biology* **4 Credits**
- BIOL 2224 - Anatomy & Physiology I* **4 Credits**
- BIOL 1154 - Zoology* **4 Credits**
- BIOL 1164 - Botany for Majors* **4 Credits**

PHYSICAL SCIENCE - 4 CREDIT HOURS

Select one of the following courses:

- CHEM 1104 - Chemistry For Non-Majors* **4 Credits**
- ESCI 1104 - Earth Science* **4 Credits**
- GEOL 1104 - Physical Geology* **4 Credits**
- PHYS 1114 - Physical Science* **4 Credits**
- PHYS 1124 - Astronomy* **4 Credits**

HUMANITIES - 3 CREDIT HOURS

Select one of the following courses:

- ART 1593 - Art Appreciation* **3 Credits**
- ENG 2223 - American Literature I* **3 Credits**
- ENG 2233 - American Literature II* **3 Credits**
- ENG 2273 - World Literature I* **3 Credits**
- ENG 2283 - World Literature II* **3 Credits**
- PHIL 1123 - Introduction To Philosophy* **3 Credits**

SOCIAL SCIENCES - 3 CREDIT HOURS

Select one of the following courses:

- ECON 2203 - Macroeconomics* **3 Credits**
- HIST 2223 - United States History To 1865* **3 Credits**
- HIST 2233 - United States History Since 1865* **3 Credits**
- HIST 2253 - World Civilization To 1500* **3 Credits**
- HIST 2263 - World Civilization Since 1500* **3 Credits**
- PSYC 1103 - General Psychology* **3 Credits**
- SOC 1103 - Introduction To Sociology* **3 Credits**
- POLS 1113 - American National Government* **3 Credits**
- POLS 1123 - American State And Local Government* **3 Credits**

COMPUTER LITERACY - 3 CREDIT HOURS

Select one of the following courses:

- CIS 1013 - Information Systems **3 Credits**
- CIS 1023 - Introduction to Computing* **3 Credits**

Discipline Area Concentration - 15-16 Credit Hours

Choose courses from ONE of the following disciplines:

ACT, ART, BIO, CHEM, CSI, CRJ, GRD, HA, MATH, MUS, PHYS, SOC

OR

Choose courses within one of the following interest areas:

Art: ART, GRD, PHOT

Fine Arts/Humanities: ART, ENG, MUS, PHIL, SPAN

Foreign Language: FREN, SPAN

Lab Science: BIOL, CHEM, ESCI, GEOL, PHYS

Social Science: ANTH, CRJ, ECON, GEOG, HIST, POLS, PSYC, SOC

_____	-	_____	_____	Credits
_____	-	_____	_____	Credits
_____	-	_____	_____	Credits
_____	-	_____	_____	Credits
_____	-	_____	_____	Credits

Personal Enrichment Electives - 18-19 Credit Hours

Choose ANY courses including up to 9 credit hours from AST, INDT, MAR, WLD

_____	-	_____	_____	Credits
_____	-	_____	_____	Credits
_____	-	_____	_____	Credits
_____	-	_____	_____	Credits
_____	-	_____	_____	Credits
_____	-	_____	_____	Credits
_____	-	_____	_____	Credits
_____	-	_____	_____	Credits

60 Total Program Hours

* Denotes NPC courses included in the Arkansas Course Transfer System (ACTS)

General Studies Certificate

The Certificate of General Studies is a one-year award designed to provide recognition of the completion of a body of knowledge in general education. The Certificate of General Studies will be comprised of 31 credit hours. Modeled after the majority of courses listed in the State Minimum Core, the curriculum includes areas of study in English, Communication, Science, Math, Technology, Social Sciences, Fine Arts, and Humanities.

General Education Core

ENGLISH/COMMUNICATION - 9 CREDIT HOURS

- ENG 1113 - English Composition I* **3 Credits**
- ENG 1123 - English Composition II* **3 Credits**
- SPCH 1103 - Fundamentals of Public Speaking* **3 Credits**

MATHEMATICS - 3 CREDIT HOURS

Select one of the following courses:

- MATH 1123 - College Algebra* **3 Credits**
- MATH 1213 - Quantitative Literacy* **3 Credits**

LAB SCIENCES - 4 CREDIT HOURS

Select one of the following courses:

- BIOL 1114 - General Biology* **4 Credits**
- BIOL 2224 - Anatomy & Physiology I* **4 Credits**
- CHEM 1104 - Chemistry For Non-Majors* **4 Credits**
- CHEM 1204 - General Chemistry I* **4 Credits**
- ESCI 1104 - Earth Science* **4 Credits**
- GEOL 1104 - Physical Geology* **4 Credits**
- PHYS 1114 - Physical Science* **4 Credits**
- PHYS 1124 - Astronomy* **4 Credits**
- PHYS 1204 - General Physics I* **4 Credits**

HISTORY/GOVERNMENT - 3 CREDIT HOURS

Select one of the following courses:

- HIST 2223 - United States History To 1865* **3 Credits**
- HIST 2233 - United States History Since 1865* **3 Credits**
- POLS 1113 - American National Government* **3 Credits**

FINE ARTS/HUMANITIES - 3 CREDIT HOURS

Select one of the following courses:

- ART 1593 - Art Appreciation* **3 Credits**
- MUS 1213 - Music Appreciation* **3 Credits**
- ENG 2223 - American Literature I* **3 Credits**
- ENG 2233 - American Literature II* **3 Credits**
- ENG 2273 - World Literature I* **3 Credits**
- ENG 2283 - World Literature II* **3 Credits**
- ENG 2393 - Creative Writing* **3 Credits**
- PHIL 1123 - Introduction To Philosophy* **3 Credits**

COMPUTER LITERACY - 3 CREDIT HOURS

Select one of the following courses:

- CIS 1023 - Introduction to Computing* **3 Credits**
- CIS 1013 - Information Systems **3 Credits**

SOCIAL STUDIES - 6 CREDIT HOURS

Select one of the following courses:

- SOC 1103 - Introduction To Sociology* **3 Credits**
- PSYC 1103 - General Psychology* **3 Credits**

Select one of the following courses:

- ANTH 1113 - General Anthropology* **3 Credits**

- ECON 2203 - Macroeconomics* **3 Credits**
- ECON 2213 - Microeconomics* **3 Credits**
- GEOG 1103 - Introduction To Geography* **3 Credits**
- HIST 2253 - World Civilization To 1500* **3 Credits**
- HIST 2263 - World Civilization Since 1500* **3 Credits**
- POLS 1123 - American State And Local Government* **3 Credits**
- SOC 2203 - Social Problems* **3 Credits**

Also accepted if not previously completed:

HIST 2223 - United States History To 1865*

HIST 2233 - United States History Since 1865*

POLS 1113 - American National Government*

PSYC 1103 - General Psychology*

SOC 1103 - Introduction To Sociology*

31 Credit Hours Total

Marine Repair

Marine Repair Technology, TC

The program covers all facets of the marine repair industry including engine repair and service, fiberglass and off-season boat maintenance. Students are prepared for employment as entry-level repair technicians. Opportunities are available in the repair and service field with national and local dealerships, dealership management, marine sales or as an independent service provider.

The Marine Technology program is the only one of its kind in the state of Arkansas and only one of a handful in the country.

: Marine Technology, TC

General Core - 6 Credit Hours

- ORT 1000 - Student LMS Training **0 Credits**
- ORT 1100 - NPC Orientation **0 Credits**

COMPUTER LITERACY - 3 CREDIT HOURS

- CIS 1023 - Introduction to Computing* **3 Credits**

MATHEMATICS - 3 CREDIT HOURS

Select one of the following courses:

- MATH 1213 - Quantitative Literacy* **3 Credits**
- TECM 1103 - Technical Math I **3 Credits**

Marine Repair Technology Core - 32 Credit Hours

- MAR 1213 - Introduction to Marine Repair **3 Credits**
- MAR 1303 - 2 & 4 Cycle Theory **3 Credits**
- MAR 1313 - 2 & 4 Cycle Lab **3 Credits**
- MAR 1504 - Electrical Systems I **4 Credits**
- MAR 1523 - Electrical Systems Lab **3 Credits**
- MAR 1524 - Electrical Systems II **4 Credits**
- MAR 1703 - Service & Routine Maintenance **3 Credits**
- MAR 1713 - Service and Routine Maintenance Lab **3 Credits**
- MAR 1903 - Fuel Systems **3 Credits**
- MAR 2113 - Marine Repair Internship **3 Credits**

38 Credit Hours Total

See your NPC Academic or Faculty Advisor for degree and graduation information

Medical Laboratory Technology

Medical Laboratory Technology, AAS

Medical Laboratory Technology (MLT)* is that branch of medical science employing chemistry, physics, and biology in the diagnosis, treatment, and follow-up of diseases. This program encourages men and women with an interest in science and a commitment to service to investigate this many-faceted career field.

*The curriculum prepares you for licensure/certification in Arkansas.

General Education Core - 31 Credit Hours

- ORT 1000 - Student LMS Training **0 Credits**
- ORT 1100 - NPC Orientation **0 Credits**
- ENG 1113 - English Composition I* **3 Credits**
- ENG 1123 - English Composition II* **3 Credits**
- MATH 1123 - College Algebra* **3 Credits**
- BIOL 2224 - Anatomy & Physiology I* **4 Credits**
- BIOL 2234 - Anatomy & Physiology II* **4 Credits**
- BIOL 2244 - Microbiology* **4 Credits**
- CHEM 1204 - General Chemistry I* **4 Credits**
- *Select one of the following courses:*
- CIS 1013 - Information Systems **3 Credits**
- CIS 1023 - Introduction to Computing* **3 Credits**
- *Select one of the following courses:*
- PSYC 1103 - General Psychology* **3 Credits**
- SOC 1103 - Introduction To Sociology* **3 Credits**

Major Specific Courses - 38 Credit Hours

- MLT 1022 - Serology/Immunology **2 Credits**
- MLT 1024 - Hematology **4 Credits**
- MLT 2002 - Intro. To Medical Lab. Technology **2 Credits**
- MLT 2015 - Pathogenic Microbiology **5 Credits**
- MLT 2024 - Immunohematology **4 Credits**
- MLT 2032 - Clinical Microscopy **2 Credits**
- MLT 2034 - Clinical Chemistry **4 Credits**
- MLT 2114 - Clinical Application Microbiology **4 Credits**
- MLT 2124 - Clin Applications Immunohematology **4 Credits**
- MLT 2133 - Clinical Application Chemistry **3 Credits**
- MLT 2154 - Clinical Application Hematology **4 Credits**

69 Credit Hours Total

All courses required for the A.S. in Medical Laboratory at NPC are accepted in transfer at selected institutions. Students to whom transfer is important should get assurances in writing in advance from the institution to which they wish to transfer.

Purpose of AAS Degree

The Associate of Applied Science Degree is designed for employment purposes, and it should not be assumed that the degree or the courses in the degree can be transferred to another institution. While some institutions do accept some courses in AAS Programs, the general rule is that courses in AAS. Degrees are not accepted in transfer toward bachelor's degrees. Students to whom transfer is important should get assurances in writing in advance from the institution to which they wish to transfer.

Medical Laboratory Technology, AAS for Transfer to UAFS BAS (Emphasis - Management & Leadership)

About This Degree

National Park College (NPC) students who have completed an Associate of Applied Science (AAS)* degree may transfer into the Bachelor of Applied Science (BAS) degree program at the University of Arkansas at Ft. Smith (UAFS). This degree provides students with the skills and knowledge necessary to either assume management and leadership roles in business and industry or to enhance current employment. **The BAS degree is not specific to any NPC program area or concentration.**

This degree requires a total of 120 semester credit hours, including at least 40 upper-level credit hours completed at UAFS. NPC students may transfer 75 hours of lower-level courses to UAFS.

Start Here / Finish Online

NPC Mentor: Jennifer Lyons (Jennifer.Lyons@np.edu) 501.760.4256

Prerequisite courses and/or developmental courses may need to be taken in addition to this suggested plan of study.

NPU Transfer Resources: • Transfer 101 • Transfer Checklists • Transfer FAQ

NPC-to-UAFS Pre-Graduation Transfer Degree Checklist

NPC-to-UAFS Post-Graduation Transfer Degree Checklist

UAFS Admissions Requirements

Students must have a 2.0 (on a 4.0 scale) cumulative GPA on all previous coursework to be eligible for admission to UAFS.

*The curriculum prepares you for licensure/certification in Arkansas.

General Education Core - 31 Credit Hours

- ORT 1000 - Student LMS Training **0 Credits**
- ORT 1100 - NPC Orientation **0 Credits**

- ENG 1113 - English Composition I* **3 Credits**
- ENG 1123 - English Composition II* **3 Credits**
- MATH 1123 - College Algebra* **3 Credits**
- BIOL 2224 - Anatomy & Physiology I* **4 Credits**
- BIOL 2234 - Anatomy & Physiology II* **4 Credits**
- BIOL 2244 - Microbiology* **4 Credits**
- CHEM 1204 - General Chemistry I* **4 Credits**

Select one of the following courses:

- CIS 1013 - Information Systems **3 Credits**
- CIS 1023 - Introduction to Computing* **3 Credits**

Select one of the following courses:

- PSYC 1103 - General Psychology* **3 Credits**
- SOC 1103 - Introduction To Sociology* **3 Credits**

Major Specific Courses - 38 Credit Hours

- MLT 1022 - Serology/Immunology **2 Credits**
- MLT 1024 - Hematology **4 Credits**
- MLT 2002 - Intro. To Medical Lab. Technology **2 Credits**
- MLT 2015 - Pathogenic Microbiology **5 Credits**
- MLT 2024 - Immunohematology **4 Credits**
- MLT 2032 - Clinical Microscopy **2 Credits**
- MLT 2034 - Clinical Chemistry **4 Credits**
- MLT 2114 - Clinical Application Microbiology **4 Credits**
- MLT 2124 - Clin Applications Immunohematology **4 Credits**
- MLT 2133 - Clinical Application Chemistry **3 Credits**
- MLT 2154 - Clinical Application Hematology **4 Credits**

69 Credit Hours Total

Meet with NPC Academic Advisor or Faculty Mentor for graduation information and transfer university deadlines

Additional Hours

Contact your Academic Advisor for assistance

UAFS recognizes 57 NPC credit hours from this Associate of Applied Science degree.

UAFS will also accept 18 additional hours from courses listed below taken at NPC for a maximum of 75 transferable hours. These courses may also be taken at UAFS (campus or online, if available).

MATHEMATICS - 3 CREDIT HOURS

Select one of the following courses:

- BUS 2123 - Business Statistics** **3 Credits**
- MATH 1133 - Trigonometry* **3 Credits**
- MATH 1293 - Introduction To Statistics* **3 Credits**
- BUS 2213 - Business Calculus **3 Credits**

ORAL COMMUNICATION - 3 CREDIT HOURS

- SPCH 1103 - Fundamentals of Public Speaking* **3 Credits**

FINE ARTS - 3 CREDIT HOURS

Select one of the following courses:

- ART 1593 - Art Appreciation* **3 Credits**
- MUS 1213 - Music Appreciation* **3 Credits**
- PHIL 1123 - Introduction To Philosophy* **3 Credits**

UAFS will accept PHIL 1123 as either a Fine Arts or Humanities requirement

- SPAN 1103 - Beginning Spanish I* **3 Credits**

HUMANITIES - 3 CREDIT HOURS

Select one of the following courses:

- ENG 2223 - American Literature I* **3 Credits**
- ENG 2233 - American Literature II* **3 Credits**
- ENG 2273 - World Literature I* **3 Credits**
- ENG 2283 - World Literature II* **3 Credits**

HISTORY/GOVERNMENT - 3 CREDIT HOURS

Select one of the following courses:

- HIST 2223 - United States History To 1865* **3 Credits**
- HIST 2233 - United States History Since 1865* **3 Credits**

- POLS 1113 - American National Government* **3 Credits**

SOCIAL SCIENCES - 3 CREDIT HOURS

Select one of the following courses not previously taken:

- ANTH 1113 - General Anthropology* **3 Credits**
- ECON 2203 - Macroeconomics* **3 Credits**
- ECON 2213 - Microeconomics* **3 Credits**
- HIST 2253 - World Civilization To 1500* **3 Credits**
- HIST 2263 - World Civilization Since 1500* **3 Credits**
- POLS 1123 - American State And Local Government* **3 Credits**
- PSYC 1103 - General Psychology* **3 Credits**
- SOC 1103 - Introduction To Sociology* **3 Credits**
- SOC 2203 - Social Problems* **3 Credits**

also accepted: HIST 2223, HIST 2233, POLS 1113 if not previously taken

Remaining Courses to be Completed at UAFS

Music

Music, ASLAS for Transfer to HSU BA in Music

About This Degree

This curriculum* is designed for persons who plan to obtain an Associate of Science in Liberal Arts and Sciences (ASLAS) degree at National Park College (NPC) and transfer to the Henderson State University (HSU) to complete a Bachelor's degree.

Start Here / Finish There

NPC Faculty Mentor: Ferris Allen (Ferris.Allen@np.edu) 501.760.6584

Prerequisite courses and/or developmental courses may need to be taken in addition to this suggested plan of study.

NPU Transfer Resources: • Transfer 101 • Transfer Checklists • Transfer FAQ

HSU Transfer Admission information and policies

Additional HSU admittance requirements for this program:

- The student must complete the requirements necessary for general admission to HSU
- The student will have earned the Associate of Science in Liberal Arts and Sciences at NPC, with at least a 2.75 cumulative grade point average (remedial course grades will not be computed in the cumulative GPA for purposes of admission)
- Degree program admission requirements will be determined in the same manner as if initial enrollment had been at HSU
- Enrollment in upper level applied major courses requires completion of a Performance Assessment

HSU Transfer Scholarship information and policies

*The curriculum prepares you for licensure/certification in Arkansas.

General Education Core - 36 Transferable Credit Hours

- ORT 1000 - Student LMS Training **0 Credits**
- ORT 1100 - NPC Orientation **0 Credits**
- **ENGLISH/COMMUNICATION - 9 CREDIT HOURS**
- ENG 1113 - English Composition I* **3 Credits**
- ENG 1123 - English Composition II* **3 Credits**
- SPCH 1103 - Fundamentals of Public Speaking* **3 Credits**

MATHEMATICS - 3 CREDIT HOURS

Select one of the following courses:

- MATH 1123 - College Algebra* **3 Credits**
- MATH 1213 - Quantitative Literacy* **3 Credits**

FINE ARTS/HUMANITIES - 6 CREDIT HOURS

- ART 1593 - Art Appreciation* **3 Credits**

Select one of the following courses:

- ENG 2273 - World Literature I* **3 Credits**
- ENG 2283 - World Literature II* **3 Credits**

SOCIAL SCIENCES - 9 CREDIT HOURS

Select one of the following courses:

- HIST 2223 - United States History To 1865* **3 Credits**
- HIST 2233 - United States History Since 1865* **3 Credits**
- POLS 1113 - American National Government* **3 Credits**

Select one of the following courses:

- HIST 2253 - World Civilization To 1500* **3 Credits**
- HIST 2263 - World Civilization Since 1500* **3 Credits**

Select one of the following courses:

- ECON 2203 - Macroeconomics* **3 Credits**
- ECON 2213 - Microeconomics* **3 Credits**
- GEOG 1103 - Introduction To Geography* **3 Credits**
- PSYC 1103 - General Psychology* **3 Credits**
- SOC 1103 - Introduction To Sociology* **3 Credits**

LAB SCIENCES - 8 CREDIT HOURS

- BIOL 1114 - General Biology* **4 Credits**

Select one of the following courses:

- CHEM 1104 - Chemistry For Non-Majors* **4 Credits**
- CHEM 1204 - General Chemistry I* **4 Credits**
- PHYS 1114 - Physical Science* **4 Credits**
- PHYS 1124 - Astronomy* **4 Credits**

PHYSICAL WELL-BEING - 1 CREDIT HOUR

Select any one-hour PE course:

- PE Any 1 CH - PE Course **1 Credits**

Music Core - 29 Credit Hours

- MUS 1103 - Fundamentals Of Music **3 Credits**
- MUS 1113 - Music Theory I **3 Credits**
- MUS 1123 - Music Theory II **3 Credits**
- MUS 1131 - Aural Skills I **1 Credits**
- MUS 1141 - Aural Skills II **1 Credits**
- MUS 1331 - Class Piano I **1 Credits**
- MUS 1341 - Class Piano II **1 Credits**
- MUS 1451 - National Park College Singers I **1 Credits**
- MUS 1461 - National Park College Singers II **1 Credits**
- MUS 2451 - National Park College Singers III **1 Credits**
- MUS 2461 - National Park College Singers IV **1 Credits**

Select one of the following areas of concentration:

VOICE

- MUS 1513 - Private Voice I **3 Credits**
- MUS 1523 - Private Voice II **3 Credits**
- MUS 2513 - Private Voice III **3 Credits**
- MUS 2523 - Private Voice IV **3 Credits**

PIANO

- MUS 1533 - Private Piano I **3 Credits**
- MUS 1543 - Private Piano II **3 Credits**
- MUS 2533 - Private Piano III **3 Credits**
- MUS 2543 - Private Piano IV **3 Credits**

ORGAN

- MUS 1553 - Private Organ I **3 Credits**
- MUS 1563 - Private Organ II **3 Credits**
- MUS 2553 - Private Organ III **3 Credits**
- MUS 2563 - Private Organ IV **3 Credits**

VIOLIN

- MUS 1743 - Private Violin I **3 Credits**
- MUS 1753 - Private Violin II **3 Credits**
- MUS 2743 - Private Violin III **3 Credits**
- MUS 2753 - Private Violin IV **3 Credits**

VIOLA

- MUS 1763 - Private Viola I **3 Credits**
- MUS 1773 - Private Viola II **3 Credits**
- MUS 2763 - Private Viola III **3 Credits**
- MUS 2773 - Private Viola IV **3 Credits**

CELLO

- MUS 1783 - Private Cello I **3 Credits**
- MUS 1793 - Private Cello II **3 Credits**
- MUS 2783 - Private Cello III **3 Credits**
- MUS 2793 - Private Cello IV **3 Credits**

STRING BASS

- MUS 1803 - Private String Bass I **3 Credits**
- MUS 1813 - Private String Bass II **3 Credits**
- MUS 2803 - Private String Bass III **3 Credits**
- MUS 2813 - Private String Bass IV **3 Credits**

EUPHONIUM

- MUS 1823 - Private Euphonium I **3 Credits**
- MUS 1833 - Private Euphonium II **3 Credits**
- MUS 2823 - Private Euphonium III **3 Credits**
- MUS 2833 - Private Euphonium IV **3 Credits**

HORN

- MUS 1843 - Private Horn I **3 Credits**
- MUS 1853 - Private Horn II **3 Credits**
- MUS 2843 - Private Horn III **3 Credits**

- MUS 2853 - Private Horn IV **3 Credits**
- TROMBONE**
- MUS 1863 - Private Trombone I **3 Credits**
 - MUS 1873 - Private Trombone II **3 Credits**
 - MUS 2863 - Private Trombone III **3 Credits**
 - MUS 2873 - Private Trombone IV **3 Credits**
- TRUMPET**
- MUS 1883 - Private Trumpet I **3 Credits**
 - MUS 1893 - Private Trumpet II **3 Credits**
 - MUS 2883 - Private Trumpet III **3 Credits**
 - MUS 2893 - Private Trumpet IV **3 Credits**
- TUBA**
- MUS 1903 - Private Tuba I **3 Credits**
 - MUS 1913 - Private Tuba II **3 Credits**
 - MUS 2903 - Private Tuba III **3 Credits**
 - MUS 2913 - Private Tuba IV **3 Credits**
- BASSOON**
- MUS 1923 - Private Bassoon I **3 Credits**
 - MUS 1933 - Private Bassoon II **3 Credits**
 - MUS 2923 - Private Bassoon III **3 Credits**
 - MUS 2933 - Private Bassoon IV **3 Credits**
- CLARINET**
- MUS 1943 - Private Clarinet I **3 Credits**
 - MUS 1953 - Private Clarinet II **3 Credits**
 - MUS 2943 - Private Clarinet III **3 Credits**
 - MUS 2953 - Private Clarinet IV **3 Credits**
- FLUTE**
- MUS 1613 - Private Flute I **3 Credits**
 - MUS 1623 - Private Flute II **3 Credits**
 - MUS 2663 - Private Flute III **3 Credits**
 - MUS 2673 - Private Flute IV **3 Credits**
- OBOE**
- MUS 1963 - Private Oboe I **3 Credits**
 - MUS 1973 - Private Oboe II **3 Credits**
 - MUS 2963 - Private Oboe III **3 Credits**
 - MUS 2973 - Private Oboe IV **3 Credits**
- SAXOPHONE**
- MUS 1983 - Private Saxophone I **3 Credits**
 - MUS 1993 - Private Saxophone II **3 Credits**
 - MUS 2983 - Private Saxophone III **3 Credits**
 - MUS 2993 - Private Saxophone IV **3 Credits**
- PERCUSSION**
- MUS 1653 - Private Percussion I **3 Credits**
 - MUS 1663 - Private Percussion II **3 Credits**
 - MUS 2653 - Private Percussion III **3 Credits**

- MUS 2733 - Private Percussion IV **3 Credits**

Performance Labs

Performance Lab is taken in coordination with applied vocal or instrumental music study

- MUS 1100 - Performance Lab I **0 Credits**
- MUS 1200 - Performance Lab II **0 Credits**
- MUS 2100 - Performance Lab III **0 Credits**
- MUS 2200 - Performance Lab IV **0 Credits**

65 Total Program Hours

* Denotes NPC courses included in the Arkansas Course Transfer System (ACTS)

Remaining Courses to be Completed at HSU

Music, ASLAS for Transfer to HSU BM in Instrumental Performance (Wind, Percussion & Strings)

About This Degree

This curriculum* is designed for persons who plan to obtain an Associate of Science in Liberal Arts and Sciences (ASLAS) degree at National Park College (NPC) and transfer to the Henderson State University (HSU) to complete a Bachelor's degree.

Start Here / Finish There

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Prerequisite courses and/or developmental courses may need to be taken in addition to this suggested plan of study.

NPU Transfer Resources: • Transfer 101 • Transfer Checklists • Transfer FAQ

HSU Transfer Admission information and policies

Additional HSU admittance requirements for this program:

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- Degree program admission requirements will be determined in the same manner as if initial enrollment had been at HSU
- Enrollment in upper level applied major courses requires completion of a Performance Assessment

HSU Transfer Scholarship information and policies

*The curriculum prepares you for licensure/certification in Arkansas.

General Education Core - 36 Transferable Credit Hours

- ORT 1000 - Student LMS Training **0 Credits**
- ORT 1100 - NPC Orientation **0 Credits**
- ENGLISH/COMMUNICATION - 9 CREDIT HOURS**
- ENG 1113 - English Composition I* **3 Credits**
- ENG 1123 - English Composition II* **3 Credits**
- SPCH 1103 - Fundamentals of Public Speaking* **3 Credits**
- MATHEMATICS - 3 CREDIT HOURS**
- Select one of the following courses:*
- MATH 1123 - College Algebra* **3 Credits**
- MATH 1213 - Quantitative Literacy* **3 Credits**

FINE ARTS/HUMANITIES - 6 CREDIT HOURS

- ART 1593 - Art Appreciation* **3 Credits**
- Select one of the following courses:*
- ENG 2273 - World Literature I* **3 Credits**
- ENG 2283 - World Literature II* **3 Credits**

SOCIAL SCIENCES - 9 CREDIT HOURS

Select one of the following courses:

- HIST 2223 - United States History To 1865* **3 Credits**
- HIST 2233 - United States History Since 1865* **3 Credits**
- POLS 1113 - American National Government* **3 Credits**

Select one of the following courses:

- HIST 2253 - World Civilization To 1500* **3 Credits**
- HIST 2263 - World Civilization Since 1500* **3 Credits**

Select one of the following courses:

- ECON 2203 - Macroeconomics* **3 Credits**
- ECON 2213 - Microeconomics* **3 Credits**
- GEOG 1103 - Introduction To Geography* **3 Credits**
- PSYC 1103 - General Psychology* **3 Credits**
- SOC 1103 - Introduction To Sociology* **3 Credits**

LAB SCIENCES - 8 CREDIT HOURS

- BIOL 1114 - General Biology* **4 Credits**
- Select one of the following courses:*
- CHEM 1104 - Chemistry For Non-Majors* **4 Credits**
- CHEM 1204 - General Chemistry I* **4 Credits**
- PHYS 1114 - Physical Science* **4 Credits**
- PHYS 1124 - Astronomy* **4 Credits**

PHYSICAL WELL-BEING - 1 CREDIT HOUR

Select any one-hour PE course:

- PE Any 1 CH - PE Course **1 Credits**

Music Core - 29 Credit Hours

- MUS 1103 - Fundamentals Of Music **3 Credits**
- MUS 1113 - Music Theory I **3 Credits**
- MUS 1123 - Music Theory II **3 Credits**
- MUS 1131 - Aural Skills I **1 Credits**
- MUS 1141 - Aural Skills II **1 Credits**
- MUS 1331 - Class Piano I **1 Credits**
- MUS 1341 - Class Piano II **1 Credits**
- MUS 1451 - National Park College Singers I **1 Credits**
- MUS 1461 - National Park College Singers II **1 Credits**
- MUS 2451 - National Park College Singers III **1 Credits**
- MUS 2461 - National Park College Singers IV **1 Credits**

Select one of the following areas of concentration:

VIOLIN

- MUS 1743 - Private Violin I **3 Credits**
- MUS 1753 - Private Violin II **3 Credits**

- MUS 2743 - Private Violin III **3 Credits**
- MUS 2753 - Private Violin IV **3 Credits**

VIOLA

- MUS 1763 - Private Viola I **3 Credits**
- MUS 1773 - Private Viola II **3 Credits**
- MUS 2763 - Private Viola III **3 Credits**
- MUS 2773 - Private Viola IV **3 Credits**

CELLO

- MUS 1783 - Private Cello I **3 Credits**
- MUS 1793 - Private Cello II **3 Credits**
- MUS 2783 - Private Cello III **3 Credits**
- MUS 2793 - Private Cello IV **3 Credits**

STRING BASS

- MUS 1803 - Private String Bass I **3 Credits**
- MUS 1813 - Private String Bass II **3 Credits**
- MUS 2803 - Private String Bass III **3 Credits**
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EUPHONIUM

- MUS 1823 - Private Euphonium I **3 Credits**
- MUS 1833 - Private Euphonium II **3 Credits**
- MUS 2823 - Private Euphonium III **3 Credits**
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HORN

- MUS 1843 - Private Horn I **3 Credits**
- MUS 1853 - Private Horn II **3 Credits**
- MUS 2843 - Private Horn III **3 Credits**
- MUS 2853 - Private Horn IV **3 Credits**

TROMBONE

- MUS 1863 - Private Trombone I **3 Credits**
- MUS 1873 - Private Trombone II **3 Credits**
- MUS 2863 - Private Trombone III **3 Credits**
- MUS 2873 - Private Trombone IV **3 Credits**

TRUMPET

- MUS 1883 - Private Trumpet I **3 Credits**
- MUS 1893 - Private Trumpet II **3 Credits**
- MUS 2883 - Private Trumpet III **3 Credits**
- MUS 2893 - Private Trumpet IV **3 Credits**

TUBA

- MUS 1903 - Private Tuba I **3 Credits**
- MUS 1913 - Private Tuba II **3 Credits**
- MUS 2903 - Private Tuba III **3 Credits**
- MUS 2913 - Private Tuba IV **3 Credits**

BASSOON

- MUS 1923 - Private Bassoon I **3 Credits**
- MUS 1933 - Private Bassoon II **3 Credits**

- MUS 2923 - Private Bassoon III **3 Credits**
- MUS 2933 - Private Bassoon IV **3 Credits**

CLARINET

- MUS 1943 - Private Clarinet I **3 Credits**
- MUS 1953 - Private Clarinet II **3 Credits**
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- MUS 1623 - Private Flute II **3 Credits**
- MUS 2663 - Private Flute III **3 Credits**
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- MUS 1963 - Private Oboe I **3 Credits**
- MUS 1973 - Private Oboe II **3 Credits**
- MUS 2963 - Private Oboe III **3 Credits**
- MUS 2973 - Private Oboe IV **3 Credits**

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- MUS 1983 - Private Saxophone I **3 Credits**
- MUS 1993 - Private Saxophone II **3 Credits**
- MUS 2983 - Private Saxophone III **3 Credits**
- MUS 2993 - Private Saxophone IV **3 Credits**

PERCUSSION

- MUS 1653 - Private Percussion I **3 Credits**
- MUS 1663 - Private Percussion II **3 Credits**
- MUS 2653 - Private Percussion III **3 Credits**
- MUS 2733 - Private Percussion IV **3 Credits**

Performance Labs

Performance Lab is taken in coordination with applied vocal or instrumental music study

- MUS 1100 - Performance Lab I **0 Credits**
- MUS 1200 - Performance Lab II **0 Credits**
- MUS 2100 - Performance Lab III **0 Credits**
- MUS 2200 - Performance Lab IV **0 Credits**

65 Total Program Hours

* Denotes NPC courses included in the Arkansas Course Transfer System (ACTS)

Remaining Courses to be Completed at HSU

Music, ASLAS for Transfer to HSU BM in Keyboard Performance (Organ)

About This Degree

This curriculum* is designed for persons who plan to obtain an Associate of Science in Liberal Arts and Sciences (ASLAS) degree at National Park College (NPC) and transfer to the Henderson State University (HSU) to complete a Bachelor's degree.

Start Here / Finish There

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HSU Transfer Admission information and policies

Additional HSU admittance requirements for this program:

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General Education Core - 36 Transferable Credit Hours

- ORT 1000 - Student LMS Training **0 Credits**
- ORT 1100 - NPC Orientation **0 Credits**
- **ENGLISH/COMMUNICATION - 9 CREDIT HOURS**
- ENG 1113 - English Composition I* **3 Credits**
- ENG 1123 - English Composition II* **3 Credits**
- SPCH 1103 - Fundamentals of Public Speaking* **3 Credits**
- **MATHEMATICS - 3 CREDIT HOURS**
- *Select one of the following courses:*
- MATH 1123 - College Algebra* **3 Credits**
- MATH 1213 - Quantitative Literacy* **3 Credits**
- **FINE ARTS/HUMANITIES - 6 CREDIT HOURS**
- ART 1593 - Art Appreciation* **3 Credits**
- *Select one of the following courses:*
- ENG 2273 - World Literature I* **3 Credits**
- ENG 2283 - World Literature II* **3 Credits**
- **SOCIAL SCIENCES - 9 CREDIT HOURS**
- *Select one of the following courses:*
- HIST 2223 - United States History To 1865* **3 Credits**
- HIST 2233 - United States History Since 1865* **3 Credits**
- POLS 1113 - American National Government* **3 Credits**
- *Select one of the following courses:*
- HIST 2253 - World Civilization To 1500* **3 Credits**
- HIST 2263 - World Civilization Since 1500* **3 Credits**
- *Select one of the following courses:*
- ECON 2203 - Macroeconomics* **3 Credits**
- ECON 2213 - Microeconomics* **3 Credits**
- GEOG 1103 - Introduction To Geography* **3 Credits**
- PSYC 1103 - General Psychology* **3 Credits**
- SOC 1103 - Introduction To Sociology* **3 Credits**

LAB SCIENCES - 8 CREDIT HOURS

- BIOL 1114 - General Biology* **4 Credits**
Select one of the following courses:
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- CHEM 1204 - General Chemistry I* **4 Credits**
- PHYS 1114 - Physical Science* **4 Credits**
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PHYSICAL WELL-BEING - 1 CREDIT HOUR

Select any one-hour PE course:

- PE Any 1 CH - PE Course **1 Credits**

Music Core - 29 Credit Hours

- MUS 1103 - Fundamentals Of Music **3 Credits**
- MUS 1113 - Music Theory I **3 Credits**
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- MUS 1141 - Aural Skills II **1 Credits**
- MUS 1331 - Class Piano I **1 Credits**
- MUS 1341 - Class Piano II **1 Credits**
- MUS 1451 - National Park College Singers I **1 Credits**
- MUS 1461 - National Park College Singers II **1 Credits**
- MUS 2451 - National Park College Singers III **1 Credits**
- MUS 2461 - National Park College Singers IV **1 Credits**
- MUS 1553 - Private Organ I **3 Credits**
- MUS 1563 - Private Organ II **3 Credits**
- MUS 2553 - Private Organ III **3 Credits**
- MUS 2563 - Private Organ IV **3 Credits**
- MUS 1100 - Performance Lab I **0 Credits**
- MUS 1200 - Performance Lab II **0 Credits**
- MUS 2100 - Performance Lab III **0 Credits**
- MUS 2200 - Performance Lab IV **0 Credits**

65 Total Program Hours

* Denotes NPC courses included in the Arkansas Course Transfer System (ACTS)

Remaining Courses to be Completed at HSU

Music, ASLAS for Transfer to HSU BM in Keyboard Performance (Piano)

About This Degree

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Music Core - 29 Credit Hours

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- MUS 2451 - National Park College Singers III **1 Credits**
- MUS 2461 - National Park College Singers IV **1 Credits**
- MUS 1533 - Private Piano I **3 Credits**
- MUS 1543 - Private Piano II **3 Credits**
- MUS 2533 - Private Piano III **3 Credits**
- MUS 2543 - Private Piano IV **3 Credits**
- MUS 1100 - Performance Lab I **0 Credits**
- MUS 1200 - Performance Lab II **0 Credits**
- MUS 2100 - Performance Lab III **0 Credits**
- MUS 2200 - Performance Lab IV **0 Credits**

65 Total Program Hours

* Denotes NPC courses included in the Arkansas Course Transfer System (ACTS)

Remaining Courses to be Completed at HSU

Music, ASLAS for Transfer to HSU BM in Vocal Performance

About This Degree

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- **SOCIAL SCIENCES - 9 CREDIT HOURS**
- *Select one of the following courses:*
- HIST 2223 - United States History To 1865* **3 Credits**
- HIST 2233 - United States History Since 1865* **3 Credits**
- POLS 1113 - American National Government* **3 Credits**
- *Select one of the following courses:*
- HIST 2253 - World Civilization To 1500* **3 Credits**
- HIST 2263 - World Civilization Since 1500* **3 Credits**
- *Select one of the following courses:*
- ECON 2203 - Macroeconomics* **3 Credits**
- ECON 2213 - Microeconomics* **3 Credits**
- GEOG 1103 - Introduction To Geography* **3 Credits**
- PSYC 1103 - General Psychology* **3 Credits**
- SOC 1103 - Introduction To Sociology* **3 Credits**
- **LAB SCIENCES - 8 CREDIT HOURS**
- BIOL 1114 - General Biology* **4 Credits**
- *Select one of the following courses:*
- CHEM 1104 - Chemistry For Non-Majors* **4 Credits**
- CHEM 1204 - General Chemistry I* **4 Credits**
- PHYS 1114 - Physical Science* **4 Credits**
- PHYS 1124 - Astronomy* **4 Credits**

PHYSICAL WELL-BEING - 1 CREDIT HOUR

Select any one-hour PE course:

- PE Any 1 CH - PE Course **1 Credits**

Music Core - 29 Credit Hours

- MUS 1103 - Fundamentals Of Music **3 Credits**
- MUS 1113 - Music Theory I **3 Credits**
- MUS 1123 - Music Theory II **3 Credits**
- MUS 1131 - Aural Skills I **1 Credits**
- MUS 1141 - Aural Skills II **1 Credits**
- MUS 1331 - Class Piano I **1 Credits**
- MUS 1341 - Class Piano II **1 Credits**
- MUS 1451 - National Park College Singers I **1 Credits**
- MUS 1461 - National Park College Singers II **1 Credits**
- MUS 2451 - National Park College Singers III **1 Credits**
- MUS 2461 - National Park College Singers IV **1 Credits**
- MUS 1513 - Private Voice I **3 Credits**
- MUS 1523 - Private Voice II **3 Credits**
- MUS 2513 - Private Voice III **3 Credits**
- MUS 2523 - Private Voice IV **3 Credits**
- MUS 1100 - Performance Lab I **0 Credits**
- MUS 1200 - Performance Lab II **0 Credits**
- MUS 2100 - Performance Lab III **0 Credits**
- MUS 2200 - Performance Lab IV **0 Credits**

65 Total Program Hours

* Denotes NPC courses included in the Arkansas Course Transfer System (ACTS)

Remaining Courses to be Completed at HSU

Nursing

Practical Nursing, TC

****Deadline for application to the PN program is the first Monday in March****

The Practical Nursing technical certificate* is a 10-11 month program that, when completed, enables the individual to apply for licensure and to write the National Licensure Examination for Practical Nurses (LPN).

*The curriculum prepares you for licensure/certification in Arkansas.

College Required Courses

Required for all new NPC students

- ORT 1000 - Student LMS Training **0 Credits**
- ORT 1100 - NPC Orientation **0 Credits**

Prerequisite Mathematics

Eligible for enrollment in LAD 9024 Foundations of College Math 2

Practical Nursing Core Courses

- PNP 1225 - Anatomy And Physiology **5 Credits**
- PNP 1214 - Fundamentals of Nursing **14 Credits**
- PNP 1232 - Mental Health Nursing **2 Credits**

- PNP 1342 - Pharmacology **2 Credits**
- PNP 1425 - Nursing of Mothers and Children **5 Credits**
- PNP 1473 - Medical Surgical Nursing **13 Credits**

41 Credit Hours Total

See your NPC advisor or faculty mentor for degree and graduation information.

Pre-Nursing, TC

The Associate of Science in Nursing (ASN) degree consists of 28 credit hours in humanities, social and biological sciences along with 38 credit hours of nursing coursework for a total of 66 credit hours. **At the time of application to the ASN program, a student must either be enrolled in or have completed CHEM 1104 Chemistry for Non-Majors and BIOL 2224 Anatomy and Physiology I with a "C" or better and GPA of 2.75 or higher.** The remaining courses in arts and sciences must be completed at particular points during the program with a "C" or better to progress in the program. The Pre-Nursing, TC provides a plan for students interested in the ASN program to complete the arts, social and biological sciences, and humanities prior to beginning nursing courses. An individualized plan can be generated for students who have not completed all of the required arts and sciences curricula prior to entry.

ASN General Education and Pre-Program Courses

- ORT 1000 - Student LMS Training **0 Credits**
- ORT 1100 - NPC Orientation **0 Credits**

ENGLISH - 6 CREDIT HOURS

- ENG 1113 - English Composition I* **3 Credits**
- ENG 1123 - English Composition II* **3 Credits**

MATHEMATICS - 3 CREDIT HOURS

- MATH 1123 - College Algebra* **3 Credits**

LAB SCIENCES - 16 CREDIT HOURS

- BIOL 2224 - Anatomy & Physiology I* **4 Credits**
- BIOL 2234 - Anatomy & Physiology II* **4 Credits**
- BIOL 2244 - Microbiology* **4 Credits**
- CHEM 1104 - Chemistry For Non-Majors* **4 Credits**

SOCIAL SCIENCES - 3 CREDIT HOURS

- PSYC 1103 - General Psychology* **3 Credits**

28 Credit Hours

See your Nursing Division faculty mentor for more information

Registered Nursing, AS

**** Deadline for application to RN program is the first Monday in March****

The Associate of Science in Nursing (ASN)* degree consists of 28 credit hours in humanities, social and biological sciences along with 38 credit hours of nursing coursework for a total of 66 credit hours. **At the time of application to the ASN program, a student must either be enrolled in or have completed CHEM 1104 Chemistry for Non-Majors and BIOL 2224 Anatomy and Physiology I**

with a "C" or better and GPA of 2.75 or higher. The remaining courses in arts and sciences must be completed at particular points during the program with a "C" or better to progress in the program. The Pre-Nursing, TC provides a plan for students interested in the ASN program to complete the arts, social and biological sciences, and humanities prior to beginning nursing courses. An individualized plan can be generated for students who have not completed all of the required arts and sciences curricula prior to entry.

Completion of the AS degree allows the individual to apply for licensure and to write the National Licensure Examination for Registered Nurses (RN). The Associate of Science Registered Nurse and the Practical Nurse programs are approved by the Arkansas State Board of Nursing. The A.S. (R.N.) Nursing Program is accredited by the Accreditation Commission for Education in Nursing, Inc. (ACEN).

It is important to note that completion of the certificate or degree program in nursing does not guarantee a graduate the right to take the national exam. The State Board of Nursing makes the decision regarding eligibility to apply for licensure and testing. On the State Board of Nursing Application, each applicant is asked if they have ever been convicted of a misdemeanor or a felony. Nursing coursework for all programs consists of classroom, campus laboratory, and clinical experiences. Clinical experiences begin early in the program of study and take place in hospitals, long-term care facilities and healthcare agencies in Hot Springs and the surrounding areas. Clinical experiences may be morning, day, weekend or evening hours. The clinical rotation is planned to provide varied experiences in the health care field.

*The curriculum prepares you for licensure/certification in Arkansas.

General Education and Pre-Program Courses - 28 Credit Hours

- ORT 1000 - Student LMS Training **0 Credits**
- ORT 1100 - NPC Orientation **0 Credits**
- ENG 1113 - English Composition I* **3 Credits**
- ENG 1123 - English Composition II* **3 Credits**
- MATH 1123 - College Algebra* **3 Credits**
- BIOL 2224 - Anatomy & Physiology I* **4 Credits**
- BIOL 2234 - Anatomy & Physiology II* **4 Credits**
- BIOL 2244 - Microbiology* **4 Credits**
- CHEM 1104 - Chemistry For Non-Majors* **4 Credits**
- PSYC 1103 - General Psychology* **3 Credits**

Nursing Core Courses - 38 Credit Hours

All Physical Science and Life Science courses must have been completed within seven (7) years of acceptance into the program.

- NUR 1001 - Critical Thinking Applications I **1 Credits**
- NUR 1108 - Nursing Process I **8 Credits**
- NUR 1201 - Critical Thinking Applications II **1 Credits**
- NUR 1208 - Nursing Process II **8 Credits**
- NUR 2107 - Nursing Process III **7 Credits**
- NUR 2303 - Nursing Process IV **3 Credits**
- NUR 2210 - Nursing Process V **10 Credits**

66 Minimum Credit Hours Total

The NPC Honors Program

The NPC Honors Program is accepting applications.

Learn more about the **NPC Honors Program**.

Registered Nursing, AS - LPN to RN - Option 1

There are special degree plan* options for licensed LPN/LPTN applicants Information about these degree plans with admission and selection criteria is available on the web page or at an LPN to RN meeting, scheduled September to April. Deadline to apply for the spring start Advanced Placement/Part-time is the first Monday in October. In order for an LPN/LPTN to apply for, progress in or complete the A.S.N. degree, a requirement is that the Arkansas LPN/LPTN license be unencumbered, maintained and current.

*The curriculum prepares you for licensure/certification in Arkansas.

General Education Core - 31 Credit Hours

- ORT 1000 - Student LMS Training **0 Credits**
- ORT 1100 - NPC Orientation **0 Credits**
- **ENGLISH - 6 CREDIT HOURS**
- ENG 1113 - English Composition I* **3 Credits**
- ENG 1123 - English Composition II* **3 Credits**
- **MATHEMATICS - 3 CREDIT HOURS**
- MATH 1123 - College Algebra* **3 Credits**
- **SOCIAL SCIENCE - 3 CREDIT HOURS**
- PSYC 1103 - General Psychology* **3 Credits**
- **COMPUTER LITERACY - 3 CREDIT HOURS**
- *Select one of the following courses:*
- CIS 0000 - Computer Competency Test **0 - 3 Credits**
- CIS 1013 - Information Systems **3 Credits**
- CIS 1023 - Introduction to Computing* **3 Credits**
- **PHYSICAL SCIENCE - 4 CREDIT HOURS**
- CHEM 1104 - Chemistry For Non-Majors* **4 Credits**
- **LIFE SCIENCE - 12 CREDIT HOURS**
- BIOL 2224 - Anatomy & Physiology I* **4 Credits**
- BIOL 2234 - Anatomy & Physiology II* **4 Credits**
- BIOL 2244 - Microbiology* **4 Credits**

Nursing Course Work - 31 Credit Hours

Admission Requirements:

- Unencumbered LPN license
- Meets general education requirements of College Algebra, Anatomy and Physiology I, Anatomy & Physiology II, Chemistry for Non-Majors, English Composition I, and computer literacy.
- All Physical Science and Life Science courses must have been completed within seven (7) years of acceptance into the program.

SPRING SEMESTER - 11 CREDIT HOURS

- NUR 1302 - Current Concepts In Nursing **2 Credits**
- NUR 1208 - Nursing Process II **8 Credits**
- NUR 1201 - Critical Thinking Applications II **1 Credits**

FALL SEMESTER - 10 CREDIT HOURS

- NUR 2107 - Nursing Process III **7 Credits**
- NUR 2303 - Nursing Process IV **3 Credits**

SPRING SEMESTER - 10 CREDIT HOURS

- NUR 2210 - Nursing Process V **10 Credits**

62* Credit Hours Total Minimum

* If an LPN to RN student has less than 60 credits then they will be awarded up to 4 hours of articulation credit to meet the 60 hr. standard for Associate degrees.

Organizational Leadership

Associate of Arts for Transfer to UAFS BS in Organizational Leadership

About This Degree

This curriculum is designed for persons who plan to obtain an Associate of Arts (AA) degree at National Park College (NPC) and transfer to the University of Arkansas at Ft. Smith (UAFS) to complete a Bachelor of Science degree in Organizational Leadership.

This degree requires a total of 120 semester credit hours, including at least 40 upper-level credit hours completed at UAFS. NPC students may transfer 75 hours of lower-level courses to UAFS.

Start Here / Finish There or Online

NPC Faculty Mentor: Jennifer Lyons (Jennifer.Lyons@np.edu) 501.760.4256

Prerequisite courses and/or developmental courses may need to be taken in addition to this suggested plan of study.

NPU Transfer Resources: • Transfer 101 • Transfer Checklists • Transfer FAQ

NPC-to-UAFS Pre-Graduation Transfer Degree Checklist

NPC-to-UAFS Post-Graduation Transfer Degree Checklist

UAFS Admissions Requirements

Students must have a 2.0 (on a 4.0 scale) cumulative GPA on all previous coursework to be eligible for admission to UAFS.

General Education Core - 41 Credit Hours

- ORT 1000 - Student LMS Training **0 Credits**
- ORT 1100 - NPC Orientation **0 Credits**

ENGLISH/COMMUNICATION - 9 CREDIT HOURS

- ENG 1113 - English Composition I* **3 Credits**
- ENG 1123 - English Composition II* **3 Credits**
- SPCH 1103 - Fundamentals of Public Speaking* **3 Credits**

MATHEMATICS - 3 CREDIT HOURS

- MATH 1123 - College Algebra* **3 Credits**
- MATH 1213 - Quantitative Literacy* **3 Credits**

LAB SCIENCES - 8 CREDIT HOURS

Select one of the following courses:

- BIOL 1114 - General Biology* **4 Credits**
- BIOL 2224 - Anatomy & Physiology I* **4 Credits**

Select one of the following courses:

- CHEM 1104 - Chemistry For Non-Majors* **4 Credits**

- CHEM 1204 - General Chemistry I* **4 Credits**
- ESCI 1104 - Earth Science* **4 Credits**
- GEOL 1104 - Physical Geology* **4 Credits**
- PHYS 1114 - Physical Science* **4 Credits**

FINE ARTS - 3 CREDIT HOURS

Select one of the following courses:

- ART 1593 - Art Appreciation* **3 Credits**
- ENG 2393 - Creative Writing* **3 Credits**
- MUS 1213 - Music Appreciation* **3 Credits**
- PHIL 1123 - Introduction To Philosophy* **3 Credits**

Note: If you choose Introduction to Philosophy as your NPC Fine Arts option, you must choose one of the other three choices as part of your additional UAFS hours to meet the UAFS Fine Arts requirement.

HUMANITIES - 3 CREDIT HOURS

Select one of the following courses:

- ENG 2223 - American Literature I* **3 Credits**
- ENG 2233 - American Literature II* **3 Credits**
- ENG 2273 - World Literature I* **3 Credits**
- ENG 2283 - World Literature II* **3 Credits**

HISTORY/GOVERNMENT - 6 CREDIT HOURS

Select one of the following courses:

- HIST 2223 - United States History To 1865* **3 Credits**
- HIST 2233 - United States History Since 1865* **3 Credits**
- POLS 1113 - American National Government* **3 Credits**

Select one of the following courses:

- HIST 2253 - World Civilization To 1500* **3 Credits**
- HIST 2263 - World Civilization Since 1500* **3 Credits**

General Education Courses continued

SOCIAL SCIENCES - 9 CREDIT HOURS

- PSYC 1103 - General Psychology* **3 Credits**

Select two courses not previously chosen

- ANTH 1113 - General Anthropology* **3 Credits**
- HIST 2223 - United States History To 1865* **3 Credits**
- HIST 2233 - United States History Since 1865* **3 Credits**
- HIST 2253 - World Civilization To 1500* **3 Credits**
- HIST 2263 - World Civilization Since 1500* **3 Credits**
- POLS 1113 - American National Government* **3 Credits**
- POLS 1123 - American State And Local Government* **3 Credits**
- SOC 1103 - Introduction To Sociology* **3 Credits**
- SOC 2203 - Social Problems* **3 Credits**

Note: Only one Economics course will transfer from NPC to UAFS in the total amount of hours accepted by UAFS

- ECON 2203 - Macroeconomics* **3 Credits**

- ECON 2213 - Microeconomics* **3 Credits**

NPC Requirements - 13-14 Credit Hours

- ORT 1202 - College Seminar **2 Credits**
Select one of the following courses:
- CIS 1013 - Information Systems **3 Credits**
- CIS 1023 - Introduction to Computing* **3 Credits**

FOREIGN LANGUAGE - 6 CREDIT HOURS

Select two of the following courses:

- SPAN 1103 - Beginning Spanish I* **3 Credits**
- SPAN 1113 - Beginning Spanish II* **3 Credits**
- SPAN 2113 - Intermediate Spanish I* **3 Credits**
- SPAN 2123 - Intermediate Spanish II* **3 Credits**
- FREN 1103 - Beginning French I* **3 Credits**
- FREN 1113 - Beginning French II* **3 Credits**

Physical Education & Directed Electives - 8 Credit Hours: Option 1

- PE 1102 - Life Fitness Concepts **2 Credits**

DIRECTED ELECTIVES

These courses have been specifically chosen for their relevance to this degree, however other courses may be chosen from the ACTS Transfer Course List.

Select two of the following courses:

- BUS 1223 - Human Resource Management **3 Credits**
- BUS 2203 - Business Law** **3 Credits**
- ACT 1003 - Basic Accounting **3 Credits**

Physical Education & Directed Electives - 8 Credit Hours: Option 2

- PE 1113 - Health And Safety* **3 Credits**

DIRECTED ELECTIVES

These courses have been specifically chosen for their relevance to this degree, however other courses may be chosen from the ACTS Transfer Course List.

Select one of the following courses:

- BUS 1223 - Human Resource Management **3 Credits**
- BUS 2203 - Business Law** **3 Credits**

Select from the following options:

- PE 1102 - Life Fitness Concepts **2 Credits**

OR

- MUS 1451 - National Park College Singers I **1 Credits**
- MUS 1461 - National Park College Singers II **1 Credits**

OR Two 1-hour PE courses

OR MUS 1451 and One 1-hour PE course

60 Total Program Hours

* Denotes NPC courses included in the Arkansas Course Transfer System (ACTS)

Additional Hours

Contact your Academic Advisor for assistance

UAFS recognizes 57 of 60 NPC credit hours from this Associate of Arts degree.

UAFS will also accept 18 additional hours from courses listed below taken at NPC for a maximum of 75 transferable hours. These courses may also be taken at UAFS (campus or online, if available).

Select one of the following courses:

- MATH 1133 - Trigonometry* **3 Credits**
- MATH 1293 - Introduction To Statistics* **3 Credits**
- MATH 2214 - Calculus I* **4 Credits**
- BUS 2123 - Business Statistics** **3 Credits**
- BUS 2213 - Business Calculus **3 Credits**

Select five of the following courses:

- ANTH 1113 - General Anthropology* **3 Credits**
- ENG 2223 - American Literature I* **3 Credits**
- ENG 2233 - American Literature II* **3 Credits**
- ENG 2273 - World Literature I* **3 Credits**
- ENG 2283 - World Literature II* **3 Credits**
- HIST 2223 - United States History To 1865* **3 Credits**
- HIST 2233 - United States History Since 1865* **3 Credits**
- HIST 2253 - World Civilization To 1500* **3 Credits**
- HIST 2263 - World Civilization Since 1500* **3 Credits**
- PHIL 1123 - Introduction To Philosophy* **3 Credits**
- POLS 1113 - American National Government* **3 Credits**
- POLS 1123 - American State And Local Government* **3 Credits**
- SOC 1103 - Introduction To Sociology* **3 Credits**
- SOC 2203 - Social Problems* **3 Credits**
- SPAN 1103 - Beginning Spanish I* **3 Credits**

Note: If you chose an economics course as one of your NPC Social Science options, do not choose the other economics course in this section. Only one Economics course will transfer from NPC to UAFS in the total amount of hours accepted by UAFS.

- ECON 2203 - Macroeconomics* **3 Credits**
- ECON 2213 - Microeconomics* **3 Credits**

Note: If you chose Introduction to Philosophy as your NPC Fine Arts option, you must choose one of the other three choices as part of your additional UAFS hours to meet the UAFS Fine Arts requirement

- ART 1593 - Art Appreciation* **3 Credits**
- ENG 2393 - Creative Writing* **3 Credits**
- MUS 1213 - Music Appreciation* **3 Credits**

Note: NPC online courses with a lab component may require up to two on-campus meetings for labs. The lab component for all UAFS online courses is only offered on campus.

- BIOL 1114 - General Biology* **4 Credits**
- BIOL 2224 - Anatomy & Physiology I* **4 Credits**
- CHEM 1104 - Chemistry For Non-Majors* **4 Credits**
- CHEM 1204 - General Chemistry I* **4 Credits**
- ESCI 1104 - Earth Science* **4 Credits**
- GEOL 1104 - Physical Geology* **4 Credits**
- PHYS 1114 - Physical Science* **4 Credits**
- PHYS 1124 - Astronomy* **4 Credits**
- PHYS 1204 - General Physics I* **4 Credits**

Remaining Courses to be completed at UAFS

Psychology

Psychology, ASLAS for Transfer to UCA BS in Psychology

About This Degree

This curriculum is designed for persons who plan to obtain an Associate of Science in Liberal Arts and Sciences (ASLAS) degree at National Park College (NPC) and transfer to the University of Central Arkansas (UCA) to complete a Bachelor's degree.

Start Here / Finish There

NPC Faculty Mentor: Samantha Christian (Samantha.Christian@np.edu) 501.760.4297

Prerequisite courses and/or developmental courses may need to be taken in addition to this suggested plan of study.

NPU Transfer Resources: • Transfer 101 • Transfer Checklists • Transfer FAQ

Students completing the Associate of Science in Liberal Arts and Sciences degree requirements, as shown above, with a minimum 2.0 cumulative GPA, will have satisfied the UCA Lower-Division Core and will be admitted to the corresponding degree program as a junior.

UCA Transfer Admission information and policies

UCA Transfer Scholarship information and policies

General Education Core - 18 Credit Hours

- ORT 1000 - Student LMS Training **0 Credits**
- ORT 1100 - NPC Orientation **0 Credits**
- ENGLISH/COMMUNICATION - 9 CREDIT HOURS**
- ENG 1113 - English Composition I* **3 Credits**
- ENG 1123 - English Composition II* **3 Credits**
- SPCH 1103 - Fundamentals of Public Speaking* **3 Credits**

MATHEMATICS - 3 CREDIT HOURS

- MATH 1123 - College Algebra* **3 Credits**
- FINE ARTS/HUMANITIES - 6 CREDIT HOURS**

Select one of the following courses:

- ART 1593 - Art Appreciation* **3 Credits**
- MUS 1213 - Music Appreciation* **3 Credits**
- PHIL 1123 - Introduction To Philosophy* **3 Credits**

Select one of the following courses:

- ENG 2273 - World Literature I* **3 Credits**
- ENG 2283 - World Literature II* **3 Credits**
- ENG 2223 - American Literature I* **3 Credits**
- ENG 2233 - American Literature II* **3 Credits**

General Education and Foundation Core - 42 Credit Hours

LAB SCIENCES - 8 CREDIT HOURS

- BIOL 1114 - General Biology* **4 Credits**
- Select one of the following courses:*
- CHEM 1104 - Chemistry For Non-Majors* **4 Credits**
- ESCI 1104 - Earth Science* **4 Credits**
- PHYS 1114 - Physical Science* **4 Credits**
- PHYS 1124 - Astronomy* **4 Credits**

SOCIAL SCIENCES - 6 CREDIT HOURS

Select one of the following courses:

- HIST 2223 - United States History To 1865* **3 Credits**
- HIST 2233 - United States History Since 1865* **3 Credits**
- POLS 1113 - American National Government* **3 Credits**

Select one of the following courses:

- HIST 2253 - World Civilization To 1500* **3 Credits**
- HIST 2263 - World Civilization Since 1500* **3 Credits**

PSYCHOLOGY CORE COURSES - 9 CREDIT HOURS

- PSYC 1103 - General Psychology* **3 Credits**
- PSYC 2013 - Developmental Psychology* **3 Credits**
- PSYC 2163 - Abnormal Psychology **3 Credits**

Option 1 - Lab Science Core

Select one of the following pairs of courses:

- BIOL 2224 - Anatomy & Physiology I* **4 Credits**
- BIOL 2234 - Anatomy & Physiology II* **4 Credits**

or

- CHEM 1204 - General Chemistry I* **4 Credits**
- CHEM 2204 - General Chemistry II* **4 Credits**

or

- PHYS 1204 - General Physics I* **4 Credits**
- PHYS 2204 - General Physics II* **4 Credits**

DIRECTED ELECTIVES

These courses have been specifically chosen for their relevance to this degree, however other courses may be chosen from the ACTS Transfer Course List.

*Select **three** of the following courses:*

- MATH 1293 - Introduction To Statistics* **3 Credits**
- SOC 1103 - Introduction To Sociology* **3 Credits**
- SOC 2113 - Cultural Diversity **3 Credits**
- SOC 2203 - Social Problems* **3 Credits**
- SOC 2233 - Interviewing Skills and Practice **3 Credits**

Select from the following options:

- PE 1102 - Life Fitness Concepts **2 Credits**

or

- MUS 1451 - National Park College Singers I **1 Credits**
- MUS 1461 - National Park College Singers II **1 Credits**

or Two 1-hour PE courses

or MUS 1451 and One 1-hour PE course

Option 2 - Mathematics Core

- BUS 2213 - Business Calculus **3 Credits**
- MATH 1213 - Quantitative Literacy* **3 Credits**

DIRECTED ELECTIVES

These courses have been specifically chosen for their relevance to this degree, however other courses may be chosen from the ACTS Transfer Course List.

*Select **four** of the following courses:*

- MATH 1293 - Introduction To Statistics* **3 Credits**
 - SOC 1103 - Introduction To Sociology* **3 Credits**
 - SOC 2113 - Cultural Diversity **3 Credits**
 - SOC 2203 - Social Problems* **3 Credits**
 - SOC 2233 - Interviewing Skills and Practice **3 Credits**
- Select one of the following courses:*
- MUS 1451 - National Park College Singers I **1 Credits**
 - PE Any 1 CH - PE Course **1 Credits**

60 Total Program Hours

* Denotes NPC courses included in the Arkansas Course Transfer System (ACTS)

Remaining Courses to be Completed at UCA

Radiology

Radiologic Technology, AAS

This program* prepares the student with the necessary technical skills of imaging and interpersonal patient care skills to qualify as contributing members in today's healthcare environment. Upon completion of the program, graduates are eligible to write the American Registry of Radiologic Technology examination to attain professional status as entry-level radiographers.

*The curriculum prepares you for licensure/certification in Arkansas.

General Education and Pre-Program Courses - 26 Credit Hours

Completion of the following courses is required prior to enrollment in the Radiologic Technology program.

- ORT 1000 - Student LMS Training **0 Credits**
 - ORT 1100 - NPC Orientation **0 Credits**
 - ALH 1203 - Medical Terminology **3 Credits**
 - BIOL 2224 - Anatomy & Physiology I* **4 Credits**
 - BIOL 2234 - Anatomy & Physiology II* **4 Credits**
 - ENG 1113 - English Composition I* **3 Credits**
 - ENG 1123 - English Composition II* **3 Credits**
 - MATH 1123 - College Algebra* **3 Credits**
- Select one of the following courses:*
- CIS 1013 - Information Systems **3 Credits**
 - CIS 1023 - Introduction to Computing* **3 Credits**
- Select one of the following courses:*
- PSYC 1103 - General Psychology* **3 Credits**
 - SOC 1103 - Introduction To Sociology* **3 Credits**

Major Specific Courses - 46 Credit Hours

- RAD 1002 - Radiographic Phlebotomy **2 Credits**
- RAD 1303 - Introduction To Radiography **3 Credits**
- RAD 1404 - Radiographic Procedures I **4 Credits**
- RAD 1502 - Clinical Education I **2 Credits**
- RAD 1512 - Clinical Education II **2 Credits**
- RAD 1704 - Radiographic Procedures II **4 Credits**
- RAD 1802 - Radiographic Exposure **2 Credits**

- RAD 1803 - Radiographic Procedures III **3 Credits**
- RAD 1903 - Radiation Protection & Biology **3 Credits**
- RAD 2002 - Clinical Education III **2 Credits**
- RAD 2302 - Radiation Physics **2 Credits**
- RAD 2503 - Advanced Radiographic Procedures **3 Credits**
- RAD 2603 - Clinical Education IV **3 Credits**
- RAD 2703 - Clinical Education V **3 Credits**
- RAD 2803 - Radiographic Pathology **3 Credits**
- RAD 2902 - Image Quality And Processing **2 Credits**
- RAD 2913 - Radiographic Seminar **3 Credits**

72 Credit Hours Total

Transfer option: Radiologic Technology, AAS for Transfer to UAFS BAS (Emphasis - Management & Leadership)

Purpose of AAS Degree

The Associate of Applied Science Degree is designed for employment purposes, and it should not be assumed that the degree or the courses in the degree can be transferred to another institution. While some institutions do accept some courses in AAS Programs, the general rule is that courses in AAS. Degrees are not accepted in transfer toward bachelor's degrees. Students to whom transfer is important should get assurances in writing in advance from the institution to which they wish to transfer.

Radiologic Technology, AAS for Transfer to UAFS BAS (Emphasis - Management & Leadership)

About This Degree

National Park College (NPC) students who have completed an Associate of Applied Science (AAS)* degree may transfer into the Bachelor of Applied Science (BAS) degree program at the University of Arkansas at Ft. Smith (UAFS). This degree provides students with the skills and knowledge necessary to either assume management and leadership roles in business and industry or to enhance current employment. **The BAS degree is not specific to any NPC program area or concentration.**

This degree requires a total of 120 semester credit hours, including at least 40 upper-level credit hours completed at UAFS. NPC students may transfer 75 hours of lower-level courses to UAFS.

Start Here / Finish Online

NPC Mentor: Jennifer Lyons (Jennifer.Lyons@np.edu) 501.760.4256

Prerequisite courses and/or developmental courses may need to be taken in addition to this suggested plan of study.

NPU Transfer Resources: • Transfer 101 • Transfer Checklists • Transfer FAQ

NPC-to-UAFS Pre-Graduation Transfer Degree Checklist

NPC-to-UAFS Post-Graduation Transfer Degree Checklist

UAFS Admissions Requirements

Students must have a 2.0 (on a 4.0 scale) cumulative GPA on all previous coursework to be eligible for admission to UAFS.

*The curriculum prepares you for licensure/certification in Arkansas.

General Education and Pre-Program Courses - 26 Credit Hours

Completion of the following courses is required prior to enrollment in the Radiologic Technology program.

- ORT 1000 - Student LMS Training **0 Credits**

- ORT 1100 - NPC Orientation **0 Credits**
- ALH 1203 - Medical Terminology **3 Credits**
- BIOL 2224 - Anatomy & Physiology I* **4 Credits**
- BIOL 2234 - Anatomy & Physiology II* **4 Credits**
- ENG 1113 - English Composition I* **3 Credits**
- ENG 1123 - English Composition II* **3 Credits**
- MATH 1123 - College Algebra* **3 Credits**
Select one of the following courses:
- CIS 1013 - Information Systems **3 Credits**
- CIS 1023 - Introduction to Computing* **3 Credits**
Select one of the following courses:
- PSYC 1103 - General Psychology* **3 Credits**
- SOC 1103 - Introduction To Sociology* **3 Credits**

Major Specific Courses - 46 Credit Hours

- RAD 1002 - Radiographic Phlebotomy **2 Credits**
- RAD 1303 - Introduction To Radiography **3 Credits**
- RAD 1404 - Radiographic Procedures I **4 Credits**
- RAD 1502 - Clinical Education I **2 Credits**
- RAD 1512 - Clinical Education II **2 Credits**
- RAD 1704 - Radiographic Procedures II **4 Credits**
- RAD 1802 - Radiographic Exposure **2 Credits**
- RAD 1803 - Radiographic Procedures III **3 Credits**
- RAD 1903 - Radiation Protection & Biology **3 Credits**
- RAD 2002 - Clinical Education III **2 Credits**
- RAD 2302 - Radiation Physics **2 Credits**
- RAD 2503 - Advanced Radiographic Procedures **3 Credits**
- RAD 2603 - Clinical Education IV **3 Credits**
- RAD 2703 - Clinical Education V **3 Credits**
- RAD 2803 - Radiographic Pathology **3 Credits**
- RAD 2902 - Image Quality And Processing **2 Credits**
- RAD 2913 - Radiographic Seminar **3 Credits**

72 Credit Hours Total

Meet with NPC Academic Advisor or Faculty Mentor for graduation information and transfer university deadlines

Additional Hours

Contact your Academic Advisor for assistance

UAFS recognizes 57 NPC credit hours from this Associate of Applied Science degree.

UAFS will also accept 18 additional hours from courses listed below taken at NPC for a maximum of 75 transferable hours. These courses may also be taken at UAFS (campus or online, if available).

MATHEMATICS - 3 CREDIT HOURS

Select one of the following courses:

- BUS 2123 - Business Statistics** **3 Credits**
- MATH 1133 - Trigonometry* **3 Credits**

- MATH 1293 - Introduction To Statistics* **3 Credits**
- BUS 2213 - Business Calculus **3 Credits**
- **ORAL COMMUNICATION - 3 CREDIT HOURS**
- SPCH 1103 - Fundamentals of Public Speaking* **3 Credits**

FINE ARTS - 3 CREDIT HOURS

Select one of the following courses:

- ART 1593 - Art Appreciation* **3 Credits**
- MUS 1213 - Music Appreciation* **3 Credits**
- PHIL 1123 - Introduction To Philosophy* **3 Credits**

UAFS will accept PHIL 1123 as either a Fine Arts or Humanities requirement

- SPAN 1103 - Beginning Spanish I* **3 Credits**

HUMANITIES - 3 CREDIT HOURS

Select one of the following courses:

- ENG 2223 - American Literature I* **3 Credits**
- ENG 2233 - American Literature II* **3 Credits**
- ENG 2273 - World Literature I* **3 Credits**
- ENG 2283 - World Literature II* **3 Credits**

HISTORY/GOVERNMENT - 3 CREDIT HOURS

Select one of the following courses:

- HIST 2223 - United States History To 1865* **3 Credits**
- HIST 2233 - United States History Since 1865* **3 Credits**
- POLS 1113 - American National Government* **3 Credits**

SOCIAL SCIENCES - 3 CREDIT HOURS

Select one of the following courses not previously taken:

- ANTH 1113 - General Anthropology* **3 Credits**
- ECON 2203 - Macroeconomics* **3 Credits**
- ECON 2213 - Microeconomics* **3 Credits**
- HIST 2253 - World Civilization To 1500* **3 Credits**
- HIST 2263 - World Civilization Since 1500* **3 Credits**
- POLS 1123 - American State And Local Government* **3 Credits**
- PSYC 1103 - General Psychology* **3 Credits**
- SOC 1103 - Introduction To Sociology* **3 Credits**
- SOC 2203 - Social Problems* **3 Credits**

also accepted: HIST 2223, HIST 2233, POLS 1113 if not previously taken

Remaining Courses to be Completed at UAFS

Respiratory Care

Respiratory Care, AAS

Program Description:

Respiratory Therapists (RT's)*, also known as Respiratory Care Practitioners (RCP's), evaluate, treat and care for patients with breathing problems (asthma, emphysema, etc.) or other cardiopulmonary disorders (cardiac or respiratory arrest, trauma from an accident, stroke, or heart attack). Upon completion of the program, graduates will take the National Board of Respiratory Care exam that will certify the student (CRT). Students are also preparing to take the advanced practice exam to become a Registered Respiratory Therapist (RRT).

Students who plan to transfer to a four-year college or university should see an NPC counselor as well as refer to the Course Transfer section of the Arkansas Department of Higher Education website (<http://adhe.edu>) to be sure that the courses will apply to the specific degree the student is seeking at the transfer institution.

Program Level Objectives (PLO):

The curriculum for the Respiratory Therapist Program is designed to assist students in accomplishing the following objectives:

- Analyze and evaluate clinical data concerning the cardiopulmonary status of patients. (GEO 2)
- Utilize respiratory therapy equipment safely and effectively according to Evidence-Based Practice Standards in all patient situations. (GEO 3)
- Utilize critical thinking skills by demonstrating appropriate clinical judgment and decision-making skills for an entry-level respiratory therapist (GEO 2, 3)
- Facilitate interaction among and between the allied health professions including nursing, the medical specialties, hospitals and clinics, service companies and industry to provide care to patients with cardiopulmonary disease. (GEO 1, 4)
- Encourage and promote professional excellence, advance the science and practice of respiratory care, and serve as an advocate for patients, their families, the public, the profession and the respiratory therapist. (GEO 1, 4)
- Provide educational resources for patients, caregivers and the general public in respiratory health promotion, disease prevention, and rehabilitation. (GEO 1, 4)

General Education Goals and Objectives

National Park College (NPC) is committed to its mission statement, "Learning is our focus; student success is our goal." NPC is dedicated to helping all students develop as communicators, critical thinkers, and professionals who behave ethically and recognize the diversity of the world around them. The General Education Objectives are designed to be an integral component of all courses at NPC.

General Education Objectives (GEO):

It is the expectation that upon successful completion of a certificate or degree program at National Park College, the student will be able to:

- Communicate effectively using oral, written, and electronic methods.
- Use critical and analytical thinking skills.
- Demonstrate discipline-specific knowledge, skills, and competencies.
- Exemplify professional demeanor, ethical behavior, and respect for diversity.

NOTE: Numbers in parenthesis beside each objective indicate the higher-level objectives, each course objective is designed to help the student achieve.

*The curriculum prepares you for licensure/certification in Arkansas.

General Education and Pre-Program Courses - 31 Credit Hours

- ORT 1000 - Student LMS Training **0 Credits**
- ORT 1100 - NPC Orientation **0 Credits**

ENGLISH/COMMUNICATION - 6 CREDIT HOURS

- ENG 1113 - English Composition I* **3 Credits**
- ENG 1123 - English Composition II* **3 Credits**
- MATH 1123 - College Algebra* **3 Credits**

COMPUTER LITERACY - 3 CREDIT HOURS

Select one of the following courses:

- CIS 1013 - Information Systems **3 Credits**
- CIS 1023 - Introduction to Computing* **3 Credits**

SOCIAL SCIENCES - 3 CREDIT HOURS

Select one of the following courses:

- PSYC 1103 - General Psychology* **3 Credits**
- SOC 1103 - Introduction To Sociology* **3 Credits**

PRE-PROGRAM ADMISSION REQUIREMENTS

Completion of the following courses is required before admission to the Respiratory Care program:

- BIOL 2224 - Anatomy & Physiology I* **4 Credits**
- BIOL 2234 - Anatomy & Physiology II* **4 Credits**
- BIOL 2244 - Microbiology* **4 Credits**

Select one of the following courses:

- CHEM 1104 - Chemistry For Non-Majors* **4 Credits**
- CHEM 1204 - General Chemistry I* **4 Credits**

Major Specific Courses - 46 Credit Hours

- RESP 1103 - Foundations of Respiratory Care **3 Credits**
- RESP 1104 - Cardiopulmonary Anatomy and Physiology **4 Credits**
- RESP 1113 - Pulmonary Disease **3 Credits**
- RESP 1114 - Cardiopulmonary Assessment & Diagnostics **4 Credits**
- RESP 1124 - Respiratory Equipment & Basic Therapeutics **4 Credits**
- RESP 2103 - Applications of Respiratory Care **3 Credits**
- RESP 2112 - Resuscitation Techniques **2 Credits**
- RESP 2114 - Critical Respiratory Care **4 Credits**
- RESP 2143 - Clinical Practicum I **3 Credits**
- RESP 2221 - Professional Development **1 Credits**
- RESP 2222 - Adjunctive & Specialty Respiratory Care **2 Credits**
- RESP 2224 - Neonatal/Pediatric Respiratory Care **4 Credits**
- RESP 2234 - Clinical Practicum II **4 Credits**
- RESP 2235 - Clinical Practicum III **5 Credits**

77 Credit Hours Total

See your NPC advisor for program and graduation information.

A minimum grade of "C" is required in all prerequisite courses and in the program specific courses.

Students who plan to transfer to a four-year college or university should see their Academic Advisor or Faculty Mentor for more information.

Transfer options:

- Respiratory Care, AAS for Transfer to UAMS BS in Cardio-Respiratory Care
- Respiratory Care, AAS for Transfer to UAFS BAS (Emphasis - Management & Leadership)

Purpose of AAS Degree

The Associate of Applied Science Degree is designed for employment purposes, and it should not be assumed that the degree or the courses in the degree can be transferred to another institution. While some institutions do accept some courses in AAS Programs, the general rule is that courses in AAS. Degrees are not accepted in transfer toward bachelor's degrees. Students to whom transfer is important should get assurances in writing in advance from the institution to which they wish to transfer.

Respiratory Care, AAS for Transfer to UAFS BAS (Emphasis - Management & Leadership)

*The curriculum prepares you for licensure/certification in Arkansas.

General Education and Pre-Program Courses - 31 Credit Hours

- ORT 1000 - Student LMS Training **0 Credits**
- ORT 1100 - NPC Orientation **0 Credits**

ENGLISH/COMMUNICATION - 6 CREDIT HOURS

- ENG 1113 - English Composition I* **3 Credits**
- ENG 1123 - English Composition II* **3 Credits**
- MATH 1123 - College Algebra* **3 Credits**

COMPUTER LITERACY - 3 CREDIT HOURS

Select one of the following courses:

- CIS 1013 - Information Systems **3 Credits**
- CIS 1023 - Introduction to Computing* **3 Credits**

SOCIAL SCIENCES - 3 CREDIT HOURS

Select one of the following courses:

- PSYC 1103 - General Psychology* **3 Credits**
- SOC 1103 - Introduction To Sociology* **3 Credits**

PRE-PROGRAM ADMISSION REQUIREMENTS

Completion of the following courses is required before admission to the Respiratory Care program:

- BIOL 2224 - Anatomy & Physiology I* **4 Credits**
 - BIOL 2234 - Anatomy & Physiology II* **4 Credits**
 - BIOL 2244 - Microbiology* **4 Credits**
- Select one of the following courses:*
- CHEM 1104 - Chemistry For Non-Majors* **4 Credits**
 - CHEM 1204 - General Chemistry I* **4 Credits**

Major Specific Courses - 46 Credit Hours

- RESP 1103 - Foundations of Respiratory Care **3 Credits**
- RESP 1104 - Cardiopulmonary Anatomy and Physiology **4 Credits**
- RESP 1113 - Pulmonary Disease **3 Credits**
- RESP 1114 - Cardiopulmonary Assessment & Diagnostics **4 Credits**
- RESP 1124 - Respiratory Equipment & Basic Therapeutics **4 Credits**
- RESP 2103 - Applications of Respiratory Care **3 Credits**
- RESP 2112 - Resuscitation Techniques **2 Credits**
- RESP 2114 - Critical Respiratory Care **4 Credits**
- RESP 2143 - Clinical Practicum I **3 Credits**
- RESP 2221 - Professional Development **1 Credits**
- RESP 2222 - Adjunctive & Specialty Respiratory Care **2 Credits**
- RESP 2224 - Neonatal/Pediatric Respiratory Care **4 Credits**
- RESP 2234 - Clinical Practicum II **4 Credits**
- RESP 2235 - Clinical Practicum III **5 Credits**

77 Credit Hours Total

Meet with NPC Academic Advisor or Faculty Mentor for graduation information and transfer university deadlines

Additional Hours

Contact your Academic Advisor for assistance

UAFS recognizes 57 NPC credit hours from this Associate of Applied Science degree.

UAFS will also accept 18 additional hours from courses listed below taken at NPC for a maximum of 75 transferable hours. These courses may also be taken at UAFS (campus or online, if available).

MATHEMATICS - 3 CREDIT HOURS

Select one of the following courses:

- BUS 2123 - Business Statistics** **3 Credits**
- MATH 1133 - Trigonometry* **3 Credits**
- MATH 1293 - Introduction To Statistics* **3 Credits**
- BUS 2213 - Business Calculus **3 Credits**

ORAL COMMUNICATION - 3 CREDIT HOURS

- SPCH 1103 - Fundamentals of Public Speaking* **3 Credits**

FINE ARTS - 3 CREDIT HOURS

Select one of the following courses:

- ART 1593 - Art Appreciation* **3 Credits**
- MUS 1213 - Music Appreciation* **3 Credits**
- PHIL 1123 - Introduction To Philosophy* **3 Credits**

UAFS will accept PHIL 1123 as either a Fine Arts or Humanities requirement

- SPAN 1103 - Beginning Spanish I* **3 Credits**

HUMANITIES - 3 CREDIT HOURS

Select one of the following courses:

- ENG 2223 - American Literature I* **3 Credits**
- ENG 2233 - American Literature II* **3 Credits**
- ENG 2273 - World Literature I* **3 Credits**
- ENG 2283 - World Literature II* **3 Credits**

HISTORY/GOVERNMENT - 3 CREDIT HOURS

Select one of the following courses:

- HIST 2223 - United States History To 1865* **3 Credits**
- HIST 2233 - United States History Since 1865* **3 Credits**
- POLS 1113 - American National Government* **3 Credits**

SOCIAL SCIENCES - 3 CREDIT HOURS

Select one of the following courses not previously taken:

- ANTH 1113 - General Anthropology* **3 Credits**
- ECON 2203 - Macroeconomics* **3 Credits**
- ECON 2213 - Microeconomics* **3 Credits**
- HIST 2253 - World Civilization To 1500* **3 Credits**
- HIST 2263 - World Civilization Since 1500* **3 Credits**
- POLS 1123 - American State And Local Government* **3 Credits**
- PSYC 1103 - General Psychology* **3 Credits**
- SOC 1103 - Introduction To Sociology* **3 Credits**
- SOC 2203 - Social Problems* **3 Credits**

also accepted: HIST 2223, HIST 2233, POLS 1113 if not previously taken

Remaining Courses to be Completed at UAFS

Social Work

Social Work, ASLAS for Transfer to UALR BSW

About This Degree

This curriculum* is designed for persons who plan to obtain an Associate of Science in Liberal Arts and Sciences (ASLAS) degree at National Park College (NPC) and transfer to the University of Arkansas at Little Rock (UALR) to complete a Bachelor's degree.

Start Here / Finish There or Online

NPC Faculty Mentor: Susan Millerd (Susan.Millerd@np.edu) 501.760.4163

Prerequisite courses and/or developmental courses may need to be taken in addition to this suggested plan of study.

NPU Transfer Resources: • Transfer 101 • Transfer Checklists • Transfer FAQ

UALR Transfer Admission information and policies

Additional UALR information regarding this program:

- The student will have earned the Associate of Science in Liberal Arts and Sciences
- The student must complete the requirements necessary for general admission to UALR as well as specific admission to the UALR BSW program
- Remedial course grades will not be computed in the cumulative GPA for purposes of admission
- The following courses from NPC will substitute for required courses at UALR:
 - SOC 2223 for SOWK 1301
 - PSYC 2163 for PSYC 3360 (Only for the social work program. This course will transfer in as an elective, but will satisfy the BSW requirement of PSYC 3360)
 - PSYC 2013 for 3 hours of upper level related field electives

UALR Transfer Scholarship information and policies

*The curriculum prepares you for licensure/certification in Arkansas.

General Education Core - 35 Transferable Hours

- ORT 1100 - NPC Orientation **0 Credits**
- ORT 1000 - Student LMS Training **0 Credits**
- **ENGLISH/COMMUNICATION - 9 CREDIT HOURS**
- ENG 1113 - English Composition I* **3 Credits**
- ENG 1123 - English Composition II* **3 Credits**
- SPCH 1103 - Fundamentals of Public Speaking* **3 Credits**
- **MATHEMATICS - 3 CREDIT HOURS**
- *Select one of the following courses:*
- MATH 1123 - College Algebra* **3 Credits**
- MATH 1213 - Quantitative Literacy* **3 Credits**
- **LAB SCIENCES - 8 CREDIT HOURS**
- *Required course:*
- BIOL 1114 - General Biology* **4 Credits**
- *Select one of the following courses:*
- CHEM 1104 - Chemistry For Non-Majors* **4 Credits**
- CHEM 1204 - General Chemistry I* **4 Credits**
- ESCI 1104 - Earth Science* **4 Credits**
- GEOL 1104 - Physical Geology* **4 Credits**
- PHYS 1114 - Physical Science* **4 Credits**

- PHYS 1124 - Astronomy* **4 Credits**
- FINE ARTS/HUMANITIES - 6 CREDIT HOURS**

Select one of the following courses:

- ART 1593 - Art Appreciation* **3 Credits**
- MUS 1213 - Music Appreciation* **3 Credits**

Select one of the following courses:

- ENG 2273 - World Literature I* **3 Credits**
- ENG 2283 - World Literature II* **3 Credits**

SOCIAL SCIENCES - 9 CREDIT HOURS

Select one of the following courses:

- PSYC 1103 - General Psychology* **3 Credits**
- SOC 1103 - Introduction To Sociology* **3 Credits**

Select one of the following courses:

- HIST 2223 - United States History To 1865* **3 Credits**
- HIST 2233 - United States History Since 1865* **3 Credits**
- POLS 1113 - American National Government* **3 Credits**

Select one of the following courses:

- HIST 2253 - World Civilization To 1500* **3 Credits**
- HIST 2263 - World Civilization Since 1500* **3 Credits**

Social Work Core - 25 Transferable Hours

Select the course not previously chosen:

- SOC 1103 - Introduction To Sociology* **3 Credits**
- **or** PSYC 1103 - General Psychology* **3 Credits**
- PSYC 2013 - Developmental Psychology* **3 Credits**
- PSYC 2163 - Abnormal Psychology **3 Credits**
- SOC 2203 - Social Problems* **3 Credits**
- SOC 2223 - Introduction to Social Work **3 Credits**
- SOC 2233 - Interviewing Skills and Practice **3 Credits**
- CRJ 1103 - Introduction To Criminal Justice* **3 Credits**
- Elective 1013 - Transfer Elective **3 Credits**
- PE Any 1 CH - PE Course **1 Credits**

60 Total Program Hours

* Denotes NPC courses included in the Arkansas Course Transfer System (ACTS)

Remaining Courses to be Completed at UALR

Sociology

Sociology, ASLAS for Transfer to UCA BA in Sociology

About This Degree

This curriculum is designed for persons who plan to obtain an Associate of Science in Liberal Arts and Sciences (ASLAS) degree at National Park College (NPC) and transfer to the University of Central Arkansas (UCA) to complete a Bachelor's degree.

Start Here / Finish There

NPC Faculty Mentor: Susan Millerd (Susan.Millerd@np.edu) 501.760.4163

Prerequisite courses and/or developmental courses may need to be taken in addition to this suggested plan of study.

NPU Transfer Resources: • Transfer 101 • Transfer Checklists • Transfer FAQ

Students completing the Associate of Science in Liberal Arts and Sciences degree requirements, as shown above, with a minimum 2.0 cumulative GPA, will have satisfied the UCA Lower-Division Core and will be admitted to the corresponding degree program as a junior.

UCA Transfer Admission information and policies

UCA Transfer Scholarship information and policies

General Education Core - 18 Credit Hours

- ORT 1000 - Student LMS Training **0 Credits**
- ORT 1100 - NPC Orientation **0 Credits**
- ENGLISH/COMMUNICATION - 9 CREDIT HOURS**
- ENG 1113 - English Composition I* **3 Credits**
- ENG 1123 - English Composition II* **3 Credits**
- SPCH 1103 - Fundamentals of Public Speaking* **3 Credits**

MATHEMATICS - 3 CREDIT HOURS

Select one of the following courses:

- MATH 1213 - Quantitative Literacy* **3 Credits**
- MATH 1123 - College Algebra* **3 Credits**

FINE ARTS/HUMANITIES - 6 CREDIT HOURS

Select one of the following courses:

- ART 1593 - Art Appreciation* **3 Credits**
- MUS 1213 - Music Appreciation* **3 Credits**

Select one of the following courses:

- ENG 2273 - World Literature I* **3 Credits**
- ENG 2283 - World Literature II* **3 Credits**

General Education and Foundation Core - 42 Credit Hours

LAB SCIENCES - 8 CREDIT HOURS

Select one of the following courses:

- BIOL 1114 - General Biology* **4 Credits**
- BIOL 2224 - Anatomy & Physiology I* **4 Credits**

Select one of the following courses:

- CHEM 1104 - Chemistry For Non-Majors* **4 Credits**
- ESCI 1104 - Earth Science* **4 Credits**
- PHYS 1114 - Physical Science* **4 Credits**
- PHYS 1124 - Astronomy* **4 Credits**

SOCIAL SCIENCES - 9 CREDIT HOURS

- SOC 1103 - Introduction To Sociology* **3 Credits**

Select one of the following courses:

- HIST 2223 - United States History To 1865* **3 Credits**
- HIST 2233 - United States History Since 1865* **3 Credits**
- POLS 1113 - American National Government* **3 Credits**

Select one of the following courses:

- HIST 2253 - World Civilization To 1500* **3 Credits**
- HIST 2263 - World Civilization Since 1500* **3 Credits**

SOCIOLOGY, BA CORE COURSES - 28 CREDIT HOURS

- SOC 2203 - Social Problems* **3 Credits**
- ANTH 1113 - General Anthropology* **3 Credits**
- SPAN 1103 - Beginning Spanish I* **3 Credits**
- SPAN 1113 - Beginning Spanish II* **3 Credits**
- SPAN 2113 - Intermediate Spanish I* **3 Credits**

DIRECTED ELECTIVES

These courses have been specifically chosen for their relevance to this degree, however other courses may be chosen from the ACTS Transfer Course List.

Select four of the following courses:

- CRJ 1103 - Introduction To Criminal Justice* **3 Credits**
- ECON 2203 - Macroeconomics* **3 Credits**
- ECON 2213 - Microeconomics* **3 Credits**
- MATH 1293 - Introduction To Statistics* **3 Credits**
- POLS 1123 - American State And Local Government* **3 Credits**
or POLS 1113 American National Government*
- PSYC 1103 - General Psychology* **3 Credits**
- PSYC 2013 - Developmental Psychology* **3 Credits**
- PSYC 2163 - Abnormal Psychology **3 Credits**

Select one of the following courses:

- MUS 1451 - National Park College Singers I **1 Credits**
- PE Any 1 CH - PE Course **1 Credits**

60 Total Program Hours

* Denotes NPC courses included in the Arkansas Course Transfer System (ACTS)

Remaining Courses to be Completed at UCA

Sociology, ASLAS for Transfer to UCA BS in Sociology

About This Degree

This curriculum is designed for persons who plan to obtain an Associate of Science in Liberal Arts and Sciences (ASLAS) degree at National Park College (NPC) and transfer to the University of Central Arkansas (UCA) to complete a Bachelor's degree.

Start Here / Finish There

NPC Faculty Mentor: Susan Millerd (Susan.Millerd@np.edu) 501.760.4163

Prerequisite courses and/or developmental courses may need to be taken in addition to this suggested plan of study.

NPU Transfer Resources: • Transfer 101 • Transfer Checklists • Transfer FAQ

Students completing the Associate of Science in Liberal Arts and Sciences degree requirements, as shown above, with a minimum 2.0 cumulative GPA, will have satisfied the UCA Lower-Division Core and will be admitted to the corresponding degree program as a junior.

UCA Transfer Admission information and policies

UCA Transfer Scholarship information and policies

General Education Core - 18 Credit Hours

- ORT 1000 - Student LMS Training **0 Credits**
- ORT 1100 - NPC Orientation **0 Credits**

ENGLISH/COMMUNICATION - 9 CREDIT HOURS

- ENG 1113 - English Composition I* **3 Credits**
- ENG 1123 - English Composition II* **3 Credits**
- SPCH 1103 - Fundamentals of Public Speaking* **3 Credits**

MATHEMATICS - 3 CREDIT HOURS

- MATH 1123 - College Algebra* **3 Credits**

FINE ARTS/HUMANITIES - 6 CREDIT HOURS

Select one of the following courses:

- ART 1593 - Art Appreciation* **3 Credits**
- MUS 1213 - Music Appreciation* **3 Credits**
- PHIL 1123 - Introduction To Philosophy* **3 Credits**

Select one of the following courses:

- ENG 2273 - World Literature I* **3 Credits**
- ENG 2283 - World Literature II* **3 Credits**
- ENG 2223 - American Literature I* **3 Credits**
- ENG 2233 - American Literature II* **3 Credits**

General Education and Foundation Core - 42 Credit Hours

LAB SCIENCES - 8 CREDIT HOURS

- BIOL 1114 - General Biology* **4 Credits**
- Select one of the following courses:*
- CHEM 1104 - Chemistry For Non-Majors* **4 Credits**
 - ESCI 1104 - Earth Science* **4 Credits**
 - PHYS 1114 - Physical Science* **4 Credits**
 - PHYS 1124 - Astronomy* **4 Credits**

Select one of the following courses:

- HIST 2223 - United States History To 1865* **3 Credits**
- HIST 2233 - United States History Since 1865* **3 Credits**
- POLS 1113 - American National Government* **3 Credits**

Select one of the following courses:

- HIST 2253 - World Civilization To 1500* **3 Credits**
- HIST 2263 - World Civilization Since 1500* **3 Credits**

SOCIOLOGY CORE COURSES - 12 CREDIT HOURS

- SOC 1103 - Introduction To Sociology* **3 Credits**
- SOC 2203 - Social Problems* **3 Credits**
- ANTH 1113 - General Anthropology* **3 Credits**

Option 1 - Lab Science Core

- BIOL 2224 - Anatomy & Physiology I* **4 Credits**
 - BIOL 2234 - Anatomy & Physiology II* **4 Credits**
- or*
- PHYS 1204 - General Physics I* **4 Credits**
 - PHYS 2204 - General Physics II* **4 Credits**
- or*
- CHEM 1204 - General Chemistry I* **4 Credits**
 - CHEM 2204 - General Chemistry II* **4 Credits**

DIRECTED ELECTIVES

These courses have been specifically chosen for their relevance to this degree, however other courses may be chosen from the ACTS Transfer Course List.

Select two of the following courses:

- CRJ 1103 - Introduction To Criminal Justice* **3 Credits**
- ECON 2203 - Macroeconomics* **3 Credits**
- ECON 2213 - Microeconomics* **3 Credits**
- MATH 1293 - Introduction To Statistics* **3 Credits**
- POLS 1113 - American National Government* **3 Credits**
- POLS 1123 - American State And Local Government* **3 Credits**
- PSYC 1103 - General Psychology* **3 Credits**
- PSYC 2013 - Developmental Psychology* **3 Credits**
- PSYC 2163 - Abnormal Psychology **3 Credits**

Select from the following options:

- PE 1102 - Life Fitness Concepts **2 Credits**
- or*
- MUS 1451 - National Park College Singers I **1 Credits**
- MUS 1461 - National Park College Singers II **1 Credits**
- or Two 1-hour PE courses*
- or MUS 1451 and One 1-hour PE course*

Option 2 - Mathematics Core

- BUS 2213 - Business Calculus **3 Credits**
- MATH 1213 - Quantitative Literacy* **3 Credits**

DIRECTED ELECTIVES

These courses have been specifically chosen for their relevance to this degree, however other courses may be chosen from the ACTS Transfer Course List.

Select three of the following courses:

- CRJ 1103 - Introduction To Criminal Justice* **3 Credits**
- ECON 2203 - Macroeconomics* **3 Credits**
- ECON 2213 - Microeconomics* **3 Credits**
- POLS 1113 - American National Government* **3 Credits**
- POLS 1123 - American State And Local Government* **3 Credits**
- PSYC 1103 - General Psychology* **3 Credits**
- PSYC 2013 - Developmental Psychology* **3 Credits**
- PSYC 2163 - Abnormal Psychology **3 Credits**

Select one of the following courses:

- MUS 1451 - National Park College Singers I **1 Credits**
- PE Any 1 CH - PE Course **1 Credits**

60 Total Program Hours

* Denotes NPC courses included in the Arkansas Course Transfer System (ACTS)

Remaining Courses to be Completed at UCA

Theatre

Theatre, ASLAS for Transfer to HU (Harding University) BA in Theatre

About This Degree

This curriculum* is designed for persons who plan to obtain an Associate of Science in Liberal Arts and Sciences (ASLAS) degree at National Park College (NPC) and transfer to the Harding University (HU) to complete a Bachelor's degree.

Start Here / Finish There

NPC Faculty Mentor: Roger Fox (Roger.Fox@np.edu) 501.760.4270

Prerequisite courses and/or developmental courses may need to be taken in addition to this suggested plan of study.

NPU Transfer Resources: • Transfer 101 • Transfer Checklists • Transfer FAQ

Additional HSU admittance requirements for this program:

- HU will maintain exclusive responsibility for admission
- The student must meet all criteria required for undergraduate admission to HU.
- The student will have earned the Associate of Science in Liberal Arts and Sciences at NPC, with at least a 2.0 cumulative grade point average
- Students must meet all degree-specific criteria to be admitted to a degree program that requires admission.

HU Transfer Admission information and policies

Contact the NPU Transfer Center Coordinator for special HU Transfer Scholarship information for NPC transfer students

Required Courses

Theatre for Transfer to HU BA in Theatre

60 Total Program Hours

Welding

Pipe Welding, CP

College Required Courses

Required for all new NPC students

- ORT 1000 - Student LMS Training **0 Credits**
- ORT 1100 - NPC Orientation **0 Credits**

Technical Core - 12 Credit Hours

- INDT 1014 - Industrial Fundamentals **4 Credits**
- WLD 1114 - Pipe Welding I **4 Credits**
- WLD 1124 - Pipe Welding II **4 Credits**

12 Credit Hours Total

See your NPC Academic or Faculty Advisor for degree and graduation information

Welding Layout & Fabrication, CP

College Required Courses

Required for all new NPC students

- ORT 1000 - Student LMS Training **0 Credits**
- ORT 1100 - NPC Orientation **0 Credits**

Technical Core - 12 Credit Hours

- ORT 1100 - NPC Orientation **0 Credits**
- ORT 1000 - Student LMS Training **0 Credits**
- INDT 1014 - Industrial Fundamentals **4 Credits**
- WLD 1248 - Layout & Fabrication **8 Credits**

12 Credit Hours Total

See your NPC Academic or Faculty Advisor for degree and graduation information

Welding Technology, TC

Students are prepared for employment in industry with a variety of specialization including metal fabrication, basic metallurgy, use and application of various types of welding equipment and welding techniques. Students will be prepared for employment in industrial operations, privately owned shops and personal business ownership.

The program provides students with the opportunity to receive certification in several welding processes that are recognized nationally.

: Welding Technology, TC

General Education Core - 6 Credit Hours

- ORT 1000 - Student LMS Training **0 Credits**
- ORT 1100 - NPC Orientation **0 Credits**

COMPUTER LITERACY - 3 CREDIT HOURS

Select one of the following courses:

- CIS 1023 - Introduction to Computing* **3 Credits**
- CIS 1013 - Information Systems **3 Credits**

MATHEMATICS - 3 CREDIT HOURS

Select one of the following courses:

- MATH 1213 - Quantitative Literacy* **3 Credits**
- TECM 1103 - Technical Math I **3 Credits**

Welding Technology Core - 36 Credit Hours

- INDT 1014 - Industrial Fundamentals **4 Credits**
- WLD 1218 - Introduction to Welding/SMAW **8 Credits**
- WLD 1228 - GMAW (MIG Welding) **8 Credits**
- WLD 1238 - GTAW (TIG Welding) **8 Credits**
- WLD 1248 - Layout & Fabrication **8 Credits**

42 Minimum Credit Hours Total

Welding/GMAW, CP

College Required Courses

Required for all new NPC students

- ORT 1000 - Student LMS Training **0 Credits**
- ORT 1100 - NPC Orientation **0 Credits**

Technical Core - 12 Credit Hours

- INDT 1014 - Industrial Fundamentals **4 Credits**
- WLD 1228 - GMAW (MIG Welding) **8 Credits**

12 Credit Hours Total

See your NPC Academic or Faculty Advisor for degree and graduation information

Welding/GTAW, CP

College Required Courses

Required for all new NPC students

- ORT 1000 - Student LMS Training **0 Credits**

- ORT 1100 - NPC Orientation **0 Credits**

Technical Core - 12 Credit Hours

- INDT 1014 - Industrial Fundamentals **4 Credits**
- WLD 1238 - GTAW (TIG Welding) **8 Credits**

12 Credit Hours Total

See your NPC Academic or Faculty Advisor for degree and graduation information

Welding/SMAW, CP

College Required Courses

Required for all new NPC students

- ORT 1000 - Student LMS Training **0 Credits**
- ORT 1100 - NPC Orientation **0 Credits**

Technical Core - 12 Credit Hours

- INDT 1014 - Industrial Fundamentals **4 Credits**
- WLD 1218 - Introduction to Welding/SMAW **8 Credits**

12 Credit Hours Total

See your NPC Academic or Faculty Advisor for degree and graduation information

Course Descriptions

* General education core courses in the Arkansas Course Transfer System (ACTS)

** Courses are listed in ACTS but are not general education core courses

Accounting

ACT 1003 - Basic Accounting

3 Credits This course is designed to demonstrate basic accounting procedures needed to maintain daily records for a small business and the use of such records in the decision-making process. Emphasis is on analyzing and recording financial transactions, classifying and summarizing data, and preparing financial statements. Basic payroll functions will also be introduced. Course delivery will consist of lecture, instructor-led sample problems, and small group problem solving. This course does not transfer to a four-year learning institution.

Course Level Objectives

Upon successful completion of this course, the student will be able to:

1. Solve the basic accounting equation (PLO 1)
2. Prepare basic financial statements (PLO 1)
3. Apply the principles of a double-entry accounting system (PLO 1, 4)
4. Complete the worksheet (PLO 1, 4)
5. Complete the entire accounting cycle (PLO 1, 4)
6. Demonstrate banking skills and cash control (PLO 1, 4, 6)
7. Prepare payroll transactions including payroll taxes (PLO 1, 6)
8. Prepare quarterly and annual tax forms (PLO 1, 4, 5)
9. Employ principles of a perpetual inventory system (PLO 1)

Next Course in Sequence: ACT 1103, Principles of Accounting I

ACT 1013 - Payroll Accounting

3 Credits This course presents the fundamental knowledge of payroll procedures, record keeping, laws, and ethical business processes.

Course Level Objectives

Upon successful completion of this course, the student will be able to:

1. Apply state and federal payroll laws and regulations. (PLO 1)
2. Prepare new employee, time, and work records. (PLO 1)
3. Calculate gross earnings, payroll deductions, and net pay. (PLO 1)
4. Prepare and maintain employee earnings records and payroll register. (PLO 1)
5. Prepare federal, state and local tax reports. (PLO 1)
6. Construct payroll entries for the general ledger. (PLO 1)

ACT 1103 - Principles Of Accounting I**

3 Credits Designed to give the student fundamental knowledge of generally accepted concepts and principles employed in keeping accounting records and to give the students who wish to pursue the study of accounting as a profession the necessary fundamentals to do so. For those students who do not intend to continue their education at a senior institution, it will furnish background in business practices that will make the student a more knowledgeable consumer and investor.

Prerequisite: ACT 1003 Basic Accounting with a grade of C or better or Instructor Permission

Course Level Objectives

Upon successful completion of this course, the student will be able to:

1. Solve the basic accounting equation (GEO 3)
2. Classify accounts by type: assets, withdrawals, expenses, liabilities, revenue, or equity (GEO 2, 3)
3. Apply the principles of a double-entry accounting system (GEO 2, 3)
4. Analyze and record business transactions in the general journal including adjusting and closing entries (GEO 2, 3)
5. Prepare basic financial statements (GEO 1, 2, 3)
6. Evaluate internal control principles (GEO 3, 4)
7. Employ principles of perpetual inventory systems (GEO 3)
8. Calculate and journalize depreciation, depletion and amortization (GEO 3)
9. Construct journal entries for current assets and current liabilities (GEO 3)
10. Use financial statements to analyze a business (GEO 2, 3)

ACTS Equivalent Course Number: ACCT 2003

Next Course in Sequence: ACT 1113, Principles Of Accounting II

ACT 1113 - Principles Of Accounting II**

3 Credits Designed to further the student's fundamental knowledge of generally accepted concepts and principles of accounting. Completes the basics, working with partnership and corporations. Emphasizes significance of financial statements, their importance, and analysis.

Prerequisite: ACT 1103 Principles Of Accounting I** w/ C grade or better taken within the last 5 years

Course Level Objectives

Upon successful completion of this course, the student will be able to:

1. Account for partnership transactions in accordance with Generally Accepted Accounting Principles (GEO 2, 3)
2. Record stockholder's equity transactions according to Generally Accepted Accounting Principles (GEO 2, 3)
3. Prepare a statement of cash flows using the indirect method (GEO 2, 3)
4. Apply principles of manufacturing costing systems (GEO 3)
5. Evaluate alternatives used for short-term decision making (GEO 2, 3)
6. Construct budgets and evaluate company performance based on budget versus actual results (GEO 1, 2, 3, 4)

ACTS Equivalent Course Number: ACCT 2013

ACT 1203 - Computerized Accounting

3 Credits Computerized Accounting is designed to give the student hands-on experience in operating an accounting software package. Students will learn to use the Accounting systems commonly found in computerized accounting environments including General Ledger, Accounts Payable, Accounts Receivable, Inventory, Fixed Assets, and Payroll. Lab Fee.

Course Level Objectives

Upon successful completion of this course, the student will be able to:

1. Explain the methods for utilizing QuickBooks Online to record transactions for a business. (PLO 5)
2. Create financial reports which can be used to make sound business decisions. (PLO 1, 2)
3. Set up accounting records for a business utilizing QuickBooks Online. (PLO 1, 2, 3)
4. Discuss the benefits of utilizing QuickBooks Online to maintain accounting records in a variety of business industries and situations. (PLO 5)
5. Demonstrate the process to track inventory and maintain inventory records. (PLO 1, 2, 6)

ACT 2003 - Cost Accounting

3 Credits Covers accounting procedures for a manufacturing enterprise. Topics include entries for materials, labor, and overhead placed in production; job order and process cost systems; standard costs and variances analysis; and budgeting and control. Not intended for business administration transfer program.

Prerequisite: ACT 1113 - Principles Of Accounting II** with a grade of "C" or better.

Course Level Objectives

Upon successful completion of this course the student will be able to:

1. Differentiate between managerial and financial accounting (PLO 1)
2. Demonstrate principles of job order costing, activity-based, and process costing systems (PLO 1, 4)
3. Prepare and use static and flexible budgets for performance evaluation (PLO 1, 4)
4. Calculate overhead using predetermined rates and activity-based costing (PLO 1, 4)
5. Utilize the concepts of cost-volume-profit analysis for planning and decision making (PLO 1, 3, 4)
6. Develop critical thinking and problem-solving skills (PLO 4,6)
7. Develop effective written and oral communication skills (PLO 5, 7)

ACT 2393 - Accounting Technology Internship

3 Credits The Accounting Technology Internship is an opportunity to enhance and reinforce classroom instruction with on-the-job work experience. Appropriate training stations will be developed, and supervision will be provided by instructors and site personnel. Students are required to complete 135 clock hours of supervised experience during the term.

Prerequisite: All classes for the Accounting Technical Certificate must be completed before a student is eligible to enroll in the Accounting Technology Internship. Students must maintain a "C" average in all classes required for the certificate.

Course Level Objectives

Upon successful completion of this course, the student will be able to:

1. Construct effective educational materials for patients and caregivers utilizing the cognitive, psychomotor, and affective learning domains. (PLO 4, 6)

2. Exhibit current knowledge of tobacco products, smoking cessation, and research. (PLO 1, 2)
3. Explain the role of the respiratory therapist in selected medical procedures. (PLO 4, 5)
4. Discuss components of cardiopulmonary rehabilitation. (PLO 1, 3, 6)Elaborate on the role and responsibilities of the respiratory therapist in selected sub-specialty areas. (PLO 1, 4)
5. Consider the role and responsibilities of the respiratory therapist in disaster and potential bioterrorism situation. (PLO 1, 2, 3)

Aerospace Fabrication & Repair

AFAB 1004 - Aerospace Structures 1

4 Credits This course is designed to give students the necessary skills to perform journeyman aerospace structures assembly and repair. Classroom lecture and hands-on practice provide knowledge and experience with drilling holes in aluminum alloys, cold working of holes, installation of special fasteners, the importance of aircraft sealants, and proper preparation of surfaces for application of sealants. The course includes material fabrication experience using sheet metal equipment and the completion of a final project of moderate complexity. The project will include interpretation of engineering drawings, material selection, proper layout, sheet metal cutting and forming, drilling, riveting, and fastening. Lab fee; 1 Hours Lecture, 6 Hours lab

AFAB 1014 - Aerospace Structures 2

4 Credits This course is an extension of the knowledge and skills acquired in Aerospace Structures I plus the introduction of assembly and repair techniques for metal structures. Sheet metal fabrication will be expanded with an introduction to routing, forming, straightening and alignment. Assembly skills will be developed with the routing and installation of hoses, tubing and wire harnesses including corrosion control and safety wire installation. Airframe Maintenance Manuals and Component Maintenance Manuals will be used to introduce the student to repair techniques used from tear down and cleaning to repair and re-assembly of aerospace structures. Lab fee; 1 Hours Lecture, 6 Hours Lab

Prerequisite: AFAB 1004 Aerospace Structures 1

AFAB 1103 - Blueprints, Measurement & Quality

3 Credits Blueprints, Measurement & Quality provides lecture and hands-on practice in reading and interpreting blueprints and modern product data management systems. Students will learn to understand and navigate through mechanical drawings with special emphasis on the unique characteristics of aerospace drawings. The ability to create basic mechanical sketches will allow the student to communicate effectively on the job. The student will learn to interpret basic lines, symbols, tolerances and recognize types of drawings, use engineering parts lists and aircraft coordinate reference systems. Size, shape and tolerance concepts will be reinforced through the critical examination of parts using precision measurement tools.

AFAB 1122 - Aerospace Production Systems

2 Credits The course is designed to give students with basic aerospace fabrication skills the necessary knowledge and practical experience to perform effectively and grow professionally in an aerospace production organization. The course will introduce the student to the many functional groups that manage, design, plan, schedule, supply, and oversee aircraft production operations. Students will gain experience with production and quality standards, process controls, and documentation requirements through lecture and participation in various projects and activities. 2 SCH (2 Hours Lecture)

AFAB 1134 - Composites Fabrication and Repair 1

4 Credits This course is designed to give students the necessary skills to perform composite lay-up and fabrication, as well as composite repair procedures. The course consists of classroom lecture and hands-on practice in graphite, aramid, and fiberglass composite lay-up and repair using vacuum bagging techniques with room temperature and oven cures. Students will be required to interpret blueprints/engineering drawings. Lab Fee; 1 Hours Lecture, 6 Hours Lab

AFAB 1144 - Composites Fabrication and Repair 2

4 Credits This course is an extension of the knowledge and skills acquired in Composites Fabrication and Repair 1 plus the introduction of assembly and repair techniques for composite structures. Composite fabrication will be expanded with forming and shaping lay-ups, the inclusion of various core materials and the necessary bagging and curing techniques. Damage recognition, removal and repair will be introduced in accordance with repair manuals. Finally, composite to metal and metal to metal bonding will be introduced. Lab Fee; 1 Hours Lecture, 6 Hours Lab

Prerequisite: AFAB 1134 Composites Fabrication and Repair 1

Allied Health

ALH 1203 - Medical Terminology

3 Credits Provides the student with an application of and orientation to medical terminology. The basic structure of medical terms and their components, roots, prefixes, suffixes, and combining forms with emphasis on analyzing meaning, spelling, and pronunciation. The student will build a medical vocabulary applicable to the specialties of all health care professions.

Course Level Objectives

Upon successful completion of this course, the student will be able to:

1. Apply medical terminology appropriately in specific situations. (GEO 2, 3, 4)
2. Analyze, build, and spell medical words that pertain to the human body. (GEO 1, 2)
3. Identify and define selected vocabulary words and abbreviations. (GEO 1, 2)
4. Describe the function of various body systems and the pathological conditions that may occur within the system. (GEO 2, 3)

ALH 1302 - Introduction To Health Science

2 Credits An introduction to the health care field, including health care delivery systems, reimbursement, communication, legal and ethical issues, and health and safety. The laboratory components offer variety based on the student's chosen field. Topics range from professionalism to specific skills, clinical applications and computer lab sessions.

ALH 2003 - Nutrition

3 Credits This Nutrition course is designed for college-level students enrolled in health science programs as well as students who are interested in obtaining information on nutrition in order to better their lives and the lives of their families.

Course Level Objectives

Upon successful completion of this course, the student will be able to:

1. Interpret what the nutritional facts tell us about nutrition and health. (GEO 2, 3)
2. Describe common nutrition standards and guidelines. (GEO 1, 3)
3. Describe the processes of digestion, absorption, and transport. (GEO 2, 3)
4. Identify the major nutrients, vitamins, and minerals and their roles in the body. (GEO 2, 3)
5. Interpret the relationship between physical fitness, health, and nutrition. (GEO 2)
6. Analyze the relationship between various disease states and the specific dietary needs. (GEO 2, 3)
7. Describe the nutritional needs at various stages of the life cycle. (GEO 1, 4)

Anthropology

ANTH 1113 - General Anthropology*

3 Credits Introduction to human evolution. Comparative study of cultural development, including archaeology, ethnology, and linguistics. Also deals with processes of cultural change.

Course Level Objectives

Upon successful completion of this course, the student will be able to:

1. Differentiate the primary elements of the four branches of anthropology: physical anthropology, cultural anthropology, linguistics, and archaeology. (GEO 3)
2. Demonstrate knowledge of the theoretical and methodological developments within the discipline. (GEO 3)
3. Describe the modes of human organization from kinship groups to post-industrial global societies. (GEO 1, 3)
4. Analyze the cultural role of myth, ritual, and symbol in the formation of social meaning. (GEO 2, 3)
5. Explain the development of human religious, political, and economic institutions until modern times. (GEO 1, 3)
6. Analyze the evolutionary sequence from the earliest primates and hominids to modern humans. (GEO 2, 3)
7. Analyze the biological and cultural norms of diverse groups in the United States and globally. (GEO 2, 3)
8. Recognize the interconnectedness of our world and the transformative processes of globalization, migration, technology and development. (GEO 4)

ACTS Equivalent Course Number: ANTH 1013;

Art

ART 1003 - Ceramics I

3 Credits Ceramics I is an introduction to studio ceramics. Students will learn the basics in building forms, simple glaze application, different kilns used and different firing techniques. Covered topics will include historical and contemporary ceramics with a special focus on Arkansas ceramics. Students will have a series of "hands-on" assignments given for the purpose of developing skills in various forming methods. This class is meant to be a foundation for further exploration into ceramics.

Course Level Objectives

Upon successful completion of this course the student will be able to:

1. Use ceramics-specific vocabulary through application, testing, and communication. (GEO 1,2,3,4)
2. Make basic clay forms as well as explain the techniques used to produce the work. (GEO 2,3)
3. Explain the importance of ceramics throughout history. (GEO 1,2,3,4)
4. Use studio equipment properly and safely in creating projects. (GEO 2,3)
5. Make work from a planned sketch. (GEO 1,2,3)
6. Critique their work as well as others in a constructive, professional, and comprehensive manner. (GEO 1,3,4)

ART 1103 - Design I

3 Credits A study of the creative process and the structure of two-dimensional art forms and their relationship to our environment. Specific problems will focus on line, shape, color, space, and texture.

Course Level Objectives

Upon successful completion of this course, the student will be able to:

1. Identify the Elements of Art and Principles of Design as it relates to 2D work (GEO 2, 3)
2. Produce original 2D designs that incorporate the Elements and/or Principles to meet design challenges (GEO 2, 3)
3. Demonstrate the ability to problem solve, developing intelligent solutions through brainstorming, research, peer discussions, and critiques (GEO 1, 2, 3)
4. Create compositions that use specific color systems such as complementary, tertiary, analogous, and monochromatic (GEO 2, 3)
5. Demonstrate an ability to design work for the entire picture plane considering both positive and negative spaces, foreground, middle ground, and background (GEO 2, 3)
6. Discuss the importance of historical and contemporary design and its role in fine art (GEO 1, 2, 3)
7. Mat/Mount designs for professional portfolio presentation (GEO 3, 4)
8. Respectfully discuss his/her work and the work of others using correct art terminology and a professional demeanor (GEO 1, 2, 3, 4)

ART 1113 - Drawing I

3 Credits Introduction to drawing with specific emphasis on seeing, hand-eye coordination, and basic techniques. The figure and still-life subjects will be stressed. Lab Fee.

Course Level Objectives

Upon successful completion of this course, the student will be able to:

1. Produce representational drawings using various drawing mediums such as charcoal, pastel, and ink (GEO 1, 2, 3)
2. "Sight" objects/figures using plumb and level lines to accurately measure angles and shapes (GEO 2, 3)
3. Demonstrate correct facial proportions when developing portraits (GEO 2, 3)
4. Create accurate landscapes showing atmospheric perspective (GEO 2, 3)
5. Demonstrate correct proportions of the body and an ability to draw foreshortened areas (GEO 2, 3)
6. Use Erasure/Toned Paper to develop negative values on a toned background (GEO 2, 3)
7. Demonstrate an ability to see negative space shapes through drawing (GEO 2, 3)
8. Demonstrate an ability to shade, contour, and recognize light source (GEO 2, 3)
9. Use a viewfinder to create compositions (GEO 2, 3)
10. Respectfully discuss his/her work and the work of others using correct art terminology and a professional demeanor (GEO 1, 2, 3, 4)

Next Course in Sequence: ART 2113, Drawing II

ART 1513 - Digital Skills

3 Credits Digital Skills teaches necessary foundational tools used in digital design. Students will become familiar with the file management system, peripherals, and the network within the studio. Students will work with two main software tools: Adobe Illustrator and Adobe Photoshop. During this semester, demonstrations on the use of Illustrator (a vector graphics program) and Adobe Photoshop (a raster graphic program) will be offered. There will be a variety of exercises and projects involving their use. The projects for this course will focus on the Principles of Design as a backbone for compositions. Craftsmanship and professional presentation of work will also be important. All projects will require work in class and outside of class using a sketchbook as well as a computer. Toward the end of the course, the creation of a web gallery of student work will be discussed.

Course Level Objectives

Upon successful completion of this course, the student will be able to:

1. Use the file management system, peripherals, and the network within the lab. (PLO 1)
2. Demonstrate use of Adobe Illustrator (a vector graphic program) and Adobe Photoshop (a raster graphic program) through class assignments. (PLO 1, 3, 5)
3. Create compositions that utilize the design principles. (PLO 1, 3, 5)
4. Produce high quality and professional presentations of student work. (PLO 1, 3, 5, 8)
5. Develop a web gallery of student work. (PLO 1, 5, 8)
6. Reinforce design practices essential to professional art and design. (PLO 1, 8)

ART 1593 - Art Appreciation*

3 Credits This course is designed to analyze the structures, functions, styles, and mediums of the visual arts as they relate to and influence contemporary life. This is NOT an art history course. It is a "hands-on" course in which students will be expected to participate in the exploration of art definitions and the use of art foundations with their appropriate grammar and philosophies.

Course Level Objectives

Upon successful completion of this course, the student will be able to:

1. Recognize how art communicates personal, social, and political experiences, opinions, and belief. (GEO 2, 3, 4)
2. Identify the Formal Elements of Art and how they are used in art making (Line, Shape, Space, Light, Color, Texture, Time, and Motion). (GEO 3)
3. Differentiate between various processes and mediums such as drawing, painting, printmaking, photography, time-based media, sculpture, architecture, and functional design. (GEO 3)
4. Recognize works of art as historical visual records. (GEO 2, 3)
5. Recognize themes in art and how they continue or change over time. (GEO 2, 3)
6. Critique of work of art using the four steps of art criticism (Description, Analysis, Interpretation, and Evaluation or Judgement). (GEO 1, 2)

ACTS Equivalent Course Number: ARTA 1003

ART 2113 - Drawing II

3 Credits A continuation of the study of drawing with more advanced projects and media experiences, including on-site drawing and drawing in a series. Lab Fee

Prerequisite: ART 1103 Design I and ART 1113 Drawing I completed with a grade of C or better.

Course Level Objectives

Upon successful completion of this course, the student will be able to:

1. Exhibit an increased ability to visually communicate proper proportional and spatial relationships through drawing (GEO 1, 2, 3)
2. Create drawings that emphasize color and design elements (GEO 2, 3)
3. Produce drawings in a serial fashion (GEO 2, 3)
4. Produce drawings containing content or personal narrative (GEO 1, 2, 3)
5. Respectfully discuss his/her work and the work of others using correct art terminology and a professional demeanor (GEO 1, 2, 3, 4)

ART 2143 - Painting I

3 Credits Introduction to painting from painting surface to special techniques. Specific projects will deal with still-life, landscape, abstraction, and self-portrait. Oils, acrylics, or watercolors may be used.

Prerequisite: ART 1103 Design I and ART 1113 Drawing I completed with a grade of C or better.

Course Level Objectives

Upon successful completion of this course, the student will be able to:

1. Prepare painting materials, supports, and grounds for painting (GEO 2, 3)
2. Exhibit an ability to depict proper proportional and spatial relationships through paint (GEO 2, 3)
3. Demonstrate an ability to use paint to capture space and form (GEO 2, 3)
4. Demonstrate an ability to mix appropriate colors necessary for representational work (GEO 2, 3)
5. Produce representational still life and figurative work in oil (GEO 2, 3)
6. Produce work that contains personal narrative or deeper content (GEO 1, 2, 3)
7. Respectfully discuss his/her work and the work of others using correct art terminology and a professional demeanor (GEO 1, 2, 4)
8. Work with potentially hazardous materials in a safe manner (GEO 2, 3, 4)

ART 2203 - Public School Art

3 Credits Designed for the prospective teacher. A study of the creative growth of children, methods and techniques for directing an art program in the public schools, with emphasis on art and its relationship to the child. Education methods courses for Arkansas State Teacher Certification will not be offered for home study credit in the Division of Communication and Arts.

Prerequisite: ENG 1113 - English Composition I*.

Course Level Objectives

Upon successful completion of this course, the student will be able to:

1. Locate and Identify the Arkansas State Frameworks. (PLO 2, 3, 5)
2. Create lesson plans that include hands-on projects to help students learn, remember, and apply skills listed as objectives in the Arkansas State Frameworks. (PLO 1, 4, 5, 7)

3. Create lesson plans that integrate projects into Literacy, Math, Science, History, and other subjects. (PLO 1, 4, 5)
4. Discuss the importance of creative learning and how it benefits different types of student learners. (PLO 7)
5. Demonstrate an ability to teach and conduct project based lessons within the classroom. (PLO 1, 4, 7)
6. Demonstrate effective pacing and classroom management strategies. (PLO 1)
7. Use steps to progress appropriately through a lesson plan such as Introduction, Instruction, Independent Work, Review, and Assessment. (PLO 1, 7)
8. Create a rubric for an art project. (PLO 1, 5, 7)
9. Locate and utilize various teacher resources for art/project based learning. (PLO 4)
10. Create a binder of project-based lessons addressing various ages, subjects, and skill sets. (PLO 1, 7)

ART 2213 - Art History I*

3 Credits A study of the major world civilizations. Areas of study in Art include Paleolithic cave painting, pre-Colombian art of Central and South America, the civilization and art of Egypt, Mesopotamia, Greece, and Rome, early Christian art, Byzantine art, and the art works of the Middle Ages.

ACTS Equivalent Course Number: ARTA 2003

ART 2243 - Sculpture I

3 Credits Introduction to three-dimensional form through additive and/or subtractive methods. Clay will be the primary medium for exploration.

Prerequisite: ART 1103 - Design I.

Course Level Objectives

Upon successful completion of this course, the student will be able to:

1. Demonstrate a vocabulary knowledge through application and testing. (GEO 1, 4)
2. Demonstrate the use of tools and materials. (GEO 2, 3, 4)
3. Conceive and create a sculpture. (GEO 1, 2, 3)
4. Make work from a planned sketch. (GEO 1, 2, 3)
5. Build and or use an armature for sculpting. (GEO 2, 3)
6. Demonstrate the fundamental; sculpture process by modeling, carving, coil building slab building and pinch methods. (GEO 1, 2, 3, 4)
7. Demonstrate glaze application in proper manner using known rubrics. (GEO 1, 2, 3, 4)

ART 2513 - 3-D Design

3 Credits This is a foundational course in three-dimensional design. This course is intended to give students a fundamental basis for applying the Elements of Art and Principles of Design within three-dimensional art making. The emphasis will be on three-dimensional construction as an introduction to sculpture. The course materials will encourage the design student to creatively combine personal narrative with a successful solution of each 3-D project assignment. Emphasis will be placed on vocabulary and design concepts evaluated through tests, techniques, active participation in class critiques, discussions, and class work sessions. Students will be assigned five projects and will have three weeks to complete each construction. On each assignment due date, there will be a class critique in which students will discuss their decisions and their processes.

Prerequisite: ART 1103 Design I

Course Level Objectives

Upon successful completion of this course, the student will be able to:

1. Identify 3D elements and principles such as Form, Volume, Mass, Texture, High and Low Relief, In the Round, Line, Shape, Color, and Space (GEO 2, 3)
2. Create a Relief Sculpture by layering materials such as foam core or wood (GEO 2, 3)
3. Create a Sculpture in the Round using wire to show movement through line (GEO 2, 3)
4. Construct a 3D work that repurposes objects to create a personal narrative (GEO 2, 3)
5. Construct a kinetic or mobile 3D work that exhibits balanced weight (GEO 2, 3)
6. Create a 3D work that uses both actual and implied texture (GEO 2, 3)
7. Discuss his/her work and the work of others using correct art terminology and a professional demeanor (GEO 1, 2, 3, 4)

Automotive Service Technology

AST 1106 - Automotive Lab I

6 Credits Automotive Lab I is designed to expose the student to live automotive repair under the supervision of certified master automotive technicians. Various automotive repair procedures will be covered with emphasis placed on engine performance and/or automotive electrical/electronics. The student will learn from hands on experience in the areas of repair, parts identification, use of shop manuals, and parts ordering. Safety training and shop management will also be stressed.

Corequisite: AST 1213 Basic Electrical, AST 1223 Automotive Maintenance or Instructor Approval

Course Level Objectives

Upon successful completion of this course the student will be able to:

1. Identify failed vehicle system components (PLO 1, 2, 3)
2. Diagnose customer complaints and related concerns (PLO 1, 2, 3, 5)
3. Select relative service information (PLO 1, 2, 3)
4. Apply proper automotive service repair methods (PLO 1, 2, 3, 5, 6)
5. Perform appropriate and ethical customer service techniques (PLO 2, 4, 5, 6)
6. Develop proper work ethics and procedures (PLO 4, 5, 6)
7. Practice industry standard safety procedures (PLO 3, 5, 6)

AST 1203 - Brakes

3 Credits This course is designed to offer an introduction to the automotive brake system and its hydraulic principles of operation. Includes the theory, operation, and construction of disc brakes, drum brakes, power brakes, master cylinders, precision machining of rotors and drums as well as antilock braking systems and their related computer controlled components. Troubleshooting, diagnosis, and repair are emphasized. The student completing this curriculum will have been given the opportunity to gain the technical skills required to become a certified automotive brake specialist.

Prerequisite: AST 1213 Basic Electrical, AST 1223 Automotive Maintenance or Instructor Approval; **Next**

Course in Sequence: AST 1503, Suspension and Steering

Course Level Objectives

Upon successful completion of this course, the student will be able to:

1. Identify automotive brakes system components and operation (PLO 1,2,3)
2. Select proper brake system repair procedures and techniques (PLO 1,2,3,5,6)
3. Diagnose automotive brake system problems and related concerns (PLO 1,2,3,5)
4. Choose relative service information (PLO 1,2,3,6)
5. Provide appropriate and ethical customer service (PLO 4,5,6)

AST 1206 - Automotive Lab II

6 Credits Automotive Lab II is designed to expose the student to live automotive repair under the supervision of certified master automotive technicians. Various automotive repair procedures will be covered with emphasis placed on Engine Performance and Electrical. The student will learn from hands on experience in the areas of repair, parts identification, use of shop manuals, and parts ordering. Safety training and shop management will also be stressed.

Corequisite: AST 1203 Brakes, AST 1503 Suspension and Steering or Instructor Approval

Course Level Objectives

Upon successful completion of this course, the student will be able to:

1. Identify failed vehicle system components (PLO 1,2,3)
2. Diagnose customer complaints and related concerns (PLO 1,2,3,5)
3. Select relative service information (PLO 1,2,3)
4. Apply proper automotive service repair methods (PLO 1,2,3,5,6)
5. Perform appropriate and ethical customer service techniques (PLO 2,4,5,6)
6. Develop proper work ethics and procedures (PLO 4,5,6)
7. Practice industry standard safety procedures (PLO 3,5,6)

Next Course in Sequence: AST 1306, Automotive lab III

AST 1213 - Basic Electrical

3 Credits This course offers an introduction to basic electrical systems, including basic multimeter usage, circuit testing, circuit protection devices, wiring and wire repair, and electrical schematics and symbols.

Course Level Objectives

Upon successful completion of this course, the student will be able to:

1. Identify basic electrical circuit types and components (PLO 1, 2, 3)
2. Identify automotive electrical diagnostic tools and their operation. (PLO 1, 2, 3)
3. Select proper electrical diagnostic procedures and techniques. (PLO 1, 2, 3, 5, 6)
4. Diagnose basic electrical system problems and related concerns. (PLO 1, 2, 3, 5)
5. Choose relative service information. (PLO 1, 2, 3, 6)
6. Value appropriate and ethical customer service techniques. (PLO 4, 5, 6)

Next Course in Sequence: AST 1323 Automotive Electrical or AST 1603 Engine Repair

AST 1223 - Automotive Maintenance

3 Credits This course is an introduction to routine service practices associated with the lubrication system, cooling systems, and general vehicle maintenance

Course Level Objectives

Upon successful completion of this course the student will be able to:

1. Identify automotive maintenance system components and operation (PLO 1, 2, 3)
2. Select proper automotive maintenance procedures and techniques (PLO 1, 2, 3, 5, 6)
3. Diagnose automotive maintenance problems and related concerns (PLO 1, 2, 3, 5)
4. Choose relative service information (PLO 1, 2, 3, 6)
5. Provide appropriate and ethical customer service (PLO 4, 5, 6)

AST 1306 - Automotive Lab III

6 Credits Automotive Lab III is designed to expose the student to shop management skills. The student will take a lead technician role and assist in service writer and overall shop management duties.

Prerequisite: Technical Certificate in Automotive Service Technology or completion of the 2 Year High School Program or Instructor Approval

Course Level Objectives

Upon successful completion of this course the student will be able to:

1. Identify failed vehicle system components (PLO 1, 2, 3)
2. Diagnose customer complaints and related concerns (PLO 1, 2, 3, 5)
3. Select relative service information (PLO 1, 2, 3)
4. Apply proper automotive service repair methods (PLO 1, 2, 3, 5, 6)
5. Perform appropriate and ethical customer service techniques (PLO 2, 4, 5, 6)
6. Develop proper work ethics and procedures (PLO 4, 5, 6)
7. Practice industry standard safety procedures (PLO 3, 5, 6)

AST 1313 - Fuel Systems

3 Credits This course will detail the operations and servicing of the fuel systems and related components found a typical passenger vehicle. Electrical and mechanical components and their controls will be covered.

Prerequisite: Technical Certificate in Automotive Service Technology or completion of the 2 Year High School Program or Instructor Approval

Course Level Objectives

Upon successful completion of this course, the student will be able to:

1. Identify fuel system components and operation (PLO 1, 2, 3)
2. Select proper repair procedures and techniques (PLO 1, 2, 3, 5, 6)
3. Diagnose fuel system problems and related concerns (PLO 1, 2, 3, 5)
4. Choose relative service Information (PLO 1, 2, 3, 6)
5. Provide appropriate and ethical customer service (PLO 4, 5, 6)

AST 1323 - Automotive Electrical

3 Credits This course offers an introduction to automotive testing equipment, batteries, cranking system, charging systems, more complex electrical circuits, lighting, accessory, network, hybrid, and airbag systems.

Prerequisite: AST 1213 Basic Electrical, AST 1223 Automotive Maintenance or Instructor Approval

Course Level Objectives

Upon successful completion of this course the student will be able to:

1. Identify more complex electrical circuit types and components (PLO 1,2,3)
2. Identify automotive electrical diagnostic tools and their operation (PLO 1,2,3)
3. Select proper electrical diagnostic procedures and techniques (PLO 1,2,3,5,6)
4. Diagnose complex electrical system problems and related concerns (PLO 1,2,3,5)
5. Choose relative service information (PLO 1,2,3,6)
6. Provide appropriate and ethical customer service (PLO 4,5,6)

AST 1343 - Manual Transmissions

3 Credits This course is designed to cover the operation and repair of the automotive manual transmission and transaxle. Areas covered also include clutches, drive shafts, constant velocity joints, differentials, and four-wheel and all-wheel drive systems.

Prerequisite: Technical Certificate in Automotive Service Technology or completion of the 2 Year High School Program or Instructor Approval

Course Level Objectives

Upon successful completion of this course the student will be able to:

1. Identify automotive manual transmission system components and operation (PLO 1, 2, 3)
2. Diagnose automotive manual transmission and drivetrain problems and related concerns (PLO 1, 2, 3, 5)
3. Select proper manual transmission and drivetrain repair procedures and techniques (PLO 1, 2, 3, 5)
4. Choose relative service information (PLO 1, 2, 3, 6)
5. Provide appropriate and ethical customer service (PLO 4, 5, 6)

AST 1363 - Automatic Transmissions

3 Credits This course is designed to cover the principals, operation, diagnosis, and repair of the automatic transmission.

Prerequisite: Technical Certificate in Automotive Service Technology or completion of the 2 Year High School Program or Instructor Approval

Course Level Objectives

Upon successful completion of this course the student will be able to:

1. Identify automotive automatic transmission system components and operation (PLO 1, 2, 3)
2. Select proper automatic transmission system repair procedures and techniques (PLO 1, 2, 3, 5, 6)
3. Diagnose automatic transmission problems and related concerns (PLO 1, 2, 3, 5)
4. Choose relative service information (PLO 1, 2, 3, 6)
5. Provide appropriate and ethical customer service techniques (PLO 4, 5, 6)

AST 1503 - Suspension and Steering

3 Credits This course offers an introduction to vehicle steering and suspension design, operation, diagnosis, and repair. Areas covered are tire and wheel, front and rear suspension, front and rear steering components

and operation, mechanical and electronic steering and suspension components, and wheel alignment principles and procedures.

Prerequisite: AST 1213 Basic Electrical , AST 1223 Automotive Maintenance or Instructor Approval

Course Level Objectives

Upon successful completion of this course, the student will be able to:

1. Identify automotive suspension and steering system components and operation (PLO 1, 2, 3)
2. Select proper suspension and steering system repair procedures and techniques (PLO 1, 2, 3, 5, 6)
3. Diagnose automotive suspension and steering system problems and related concerns (PLO 1, 2, 3, 5)
4. Choose relative service information (PLO 1, 2, 3, 6)
5. Provide appropriate and ethical customer service (PLO 4, 5, 6)

Next Course in Sequence: AST 1343, Manual Transmissions

AST 1603 - Engine Repair

3 Credits This course covers the introduction to automotive gasoline engines, and their theories of operation. The student will be instructed from the beginner level of engine operation through the final stages of engine rebuilding. Areas of training include assembly of major engine components, lubrication, cooling systems, basic tools and precision measuring devices. Shop safety, preventive maintenance, and engine troubleshooting are stressed.

Prerequisite: AST 1213 Basic Electrical , AST 1223 Automotive Maintenance or Instructor Approval

Course Level Objectives

Upon successful completion of this course the student will be able to:

1. Identify automotive engine system components and operation (PLO 1,2,3)
2. Select proper automotive engine repair procedures and techniques (PLO 1,2,3,5,6)
3. Diagnose automotive engine problems and related concerns (PLO 1,2,3,5)
4. Choose relative service Information (PLO 1,2,3,6)
5. Provide appropriate and ethical customer service (PLO 4,5,6)

AST 1803 - Engine Performance Fundamentals

3 Credits This course will cover the basics operations and theory of the internal combustion engine, fuel systems, and ignition systems. There will be an introduction to the computer sensors, actuators, and on-board diagnostics.

Prerequisite: AST 1213 Basic Electrical , AST 1223 Automotive Maintenance or Instructor Approval

Course Level Objectives

Upon successful completion of this course, the student will be able to:

1. Identify engine performance system components and operation (PLO 1,2,3)
2. Select proper engine performance procedures and techniques (PLO 1,2,3,5,6)
3. Diagnosis engine performance problems and related concerns (PLO 1,2,3,5)
4. Choose relative service Information (PLO 1,2,3,6)
5. Provide appropriate and ethical customer service techniques (PLO 4,5,6)

AST 1903 - Automotive AC/Heat

3 Credits Theory of refrigeration, the refrigeration cycle, and the basic components of a typical automotive refrigeration system will be introduced. The function of compressors, lines, expansion valves, orifice tubes, receiver dryers, condensers, evaporators, and the air distribution system will be covered. Service and maintenance procedures, basic shop safety, environmental concerns, and recycling of refrigerant are included.

Prerequisite: AST 1213 Basic Electrical, AST 1223 Automotive Maintenance or Instructor Approval

Course Level Objectives

Upon successful completion of this course, the student will be able to:

1. Identify Automotive Air Conditioning/Heat system components and operation (PLO 1,2,3)
2. Select proper Automotive Air Conditioning/Heat system procedures and techniques (PLO 1,2,3,5,6)
3. Diagnose Automotive Air Conditioning/Heat system problems and related concerns (PLO 1,2,3,5)
4. Choose relative service Information (PLO 1,2,3,6)
5. Provide appropriate and ethical customer service (PLO 4,5,6)

Next Course in Sequence: AST 1343, Manual Transmissions

AST 2103 - Ignition & Emission Systems

3 Credits This course will detail the operations and servicing of the ignition and emission systems and related components found in a typical passenger vehicle. Electrical and mechanical components and their controls will be covered.

Prerequisite: Technical Certificate in Automotive Service Technology or completion of the 2 Year High School Program or Instructor Approval

Course Level Objectives

Upon successful completion of this course, the student will be able to:

1. Identify ignition system components and operation (PLO 1,2,3)
2. Identify emission system components and operation (PLO 1,2,3)
3. Select proper repair procedures and techniques (PLO 1,2,3,5,6)
4. Diagnose ignition and emission problems and related concerns (PLO 1,2,3,5)
5. Choose relative service Information (PLO 1,2,3,6)
6. Provide appropriate and ethical customer service (PLO 4,5,6)

AST 2113 - Automotive Internship

3 Credits Automotive Service Technology students will receive on-the-job training associated with the automotive area to reinforce classroom instruction. Supervision will be provided by the classroom instructor in conjunction with the internship site personnel.

Prerequisite: Technical Certificate in Automotive Service Technology or completion of the 2 Year High School Program or Instructor Approval

Course Level Objectives

Upon successful completion of this course, the student will be able to:

1. Demonstrate proper work ethics and procedures (PLO 4, 5, 6)
2. Select relative service information (PLO 1, 2, 3)
3. Identify failed vehicle system components (PLO 1, 2, 3)
4. Apply proper automotive service repair methods (PLO 1, 2, 3, 5, 6)
5. Perform appropriate and ethical customer service techniques (PLO 2, 4, 5, 6)
6. Practice industry standard safety procedures (PLO 3, 5, 6)
7. Diagnose customer complaints and related concerns (PLO 1, 2, 3, 5)

Biological Sciences

BIOL 1014 - Survey of Life

4 Credits This course fulfills one semester of a two-semester course sequence introducing concepts of biology and serves as a prerequisite for biology courses for biology majors and minors. Topics covered include an introduction to evolution, ecology, and a survey of the diversity of life. Lecture three credit hours. Lab two hours.

Prerequisite: Eligible for enrollment in ENG 1113 English Composition I without precollege level corequisite course

Course Level Objectives

Upon successful completion of this course, the student will be able to:

1. Demonstrate basic Chemistry skills by listing and describing organic molecules that form the foundation of life. (GEO 1, 3)
2. Explain DNA's role with RNA in protein synthesis and inheritance. (GEO 1, 2, 3)
3. List and describe cell types, cell structures and their functions. (GEO 1, 3)
4. Illustrate and describe methods of cell reproduction. (GEO 1, 3)
5. Discuss the variety of ways that organisms interact with the physical and the biological environment. (GEO 1, 2, 3)
6. Use the theory of natural selection to explain how new species arise and the mechanisms which underlie micro and macroevolution. (GEO 1, 2, 3)
7. Apply current methods of taxonomy to classify organisms in a survey of the diversity of life. (GEO 1, 3)
8. Demonstrate work ethics and interpersonal skills as required to develop efficient and effective lab groups. (GEO 1, 2, 4)

Next Course in Sequence: BIOL 1114, General Biology

BIOL 1114 - General Biology*

4 Credits Provides an integrated study of plant and animal topics including the scientific method, introductory biological chemistry, cell structure, function and reproduction, nutrition, energy transformations such as photosynthesis and cellular respiration, the molecular basis of inheritance and the interaction of the organism and the environment. Lab Fee.

Prerequisite: Eligible for enrollment in ENG 1113 English Composition I without pre-college level corequisite course.

Course Level Objectives

Upon successful completion of this course, the student will be able to:

1. Apply the Scientific Method by designing, completing and analyzing a scientific inquiry. (GEO 2, 3)
2. Apply current methods of taxonomy to classify specimens using the characteristics that separate living and non-living entities. (GEO 2, 3)
3. Demonstrate basic Chemistry skills by listing and describing common organic molecules. (GEO 2, 3)
4. List and describe cell types, cell structures, cell membranes and their functions. (GEO 3)
5. Compare and contrast types of metabolism. (GEO 2, 3)
6. Illustrate and describe methods of cell reproduction. (GEO 2, 3)
7. Explain DNA's role with RNA in protein synthesis and inheritance. (GEO 1, 3)
8. Demonstrate work ethics and interpersonal skills as required to develop efficient and effective lab groups. (GEO 1, 3, 4)

ACTS Equivalent Course Number: BIOL 1014

BIOL 1154 - Zoology*

4 Credits Designed as a survey of the animal kingdom with emphasis on the structure, function and reproduction of the invertebrate phyla. The course emphasizes comparisons of the different animal phyla regarding: obtaining, storing and utilizing food, exchanging gasses and eliminating wastes; transporting materials; coordinating activities; receiving and responding to environmental stimuli; moving and maintaining the species. A survey of Latin binomial nomenclature and identification methods are included. Lab Fee.

Prerequisite: BIOL 1114 - General Biology* with a "C" or better.

Course Level Objectives

Upon successful completion of this course, the student will be able to:

1. Classify organisms in Kingdom Animalia using current Linear classification methods. (GEO 2, 3)
2. Describe the components of basic eukaryotic cell structure. (GEO 1, 3)
3. Apply the scientific classification of the major groups of animals with emphasis on invertebrates to include the following: Acoelomates: Porifera, Cnidaria, Pseudocoelomates, Nematoda, & Eucoelomates including Mollusks, Annelids, Echinoderms, Amphibians. (GEO 2, 3)
4. Explain the elements of ontogeny, embryology, morphology, phylogeny, and evolutionary relationships. (GEO 1)
5. Evaluate the impact of the animal on human health & commerce. (GEO 2, 3)
6. Complete a comparative dissection of live or preserved specimens. (GEO 2, 3)
7. Collaborate with peers to complete a research project and produce a properly formatted research paper modeled after professional journals. (GEO 1, 2, 3, 4)
8. Demonstrate the work ethic and interpersonal skills required to successfully perform lab experiments within a group. (GEO 4)

ACTS Equivalent Course Number: BIOL 1054

BIOL 1164 - Botany for Majors*

4 Credits Botany is designed to be an introduction to the science of plants. Today plants play a major role in our very existence. They are, in fact, the only producers on this fragile planet. Many species are disappearing as we exploit the ecosystems where they are found. Most of you have studied the fundamental concepts of

chemistry. We will briefly review these concepts including plant metabolism. We will begin with a study of the plant cell, followed by a study of plant organs, & some of the plant functions, such as photosynthesis. We will then depart our study of generalized plant anatomy & physiology to study plant populations & communities. We will complete the course with a study of the major Divisions in the Kingdom Plantae. Lab Fee.

Prerequisite: BIOL 1114 - General Biology* with a C or better.

Course Level Objectives

Upon successful completion of this course the student will be able to:

1. Identify the basic structure common to all plant cells. (GEO 3)
2. Identify the various types of plant tissue and the function of each. (GEO 3)
3. Correctly identify the names, taxonomy, and evolutionary relationships of both fresh and preserved specimens of the major plant groups. (GEO 3)
4. Properly perform lab experiments on soil quality, photosynthesis, and plant growth factors. (GEO 2, 3, 4)
5. Apply knowledge of photosynthesis to determine the physical, chemical, and ecological factors that affect plant growth. (GEO 2, 3)
6. Describe how roots function to supply water and nutrients to the plant body. (GEO 1, 3)
7. Correctly identify various types of fruit and seeds properly. (GEO 2, 3)
8. Produce a clearly written, properly formatted research paper using peer-reviewed scientific journals. (GEO 1, 2, 3, 4)

ACTS Equivalent Course Number: BIOL 1034

BIOL 2224 - Anatomy & Physiology I*

4 Credits Designed to study the anatomy and physiology of the human body. Topics include introductory biological chemistry, study of cells and tissues, the integument, skeletal system, muscular system, and the nervous system. Lab Fee.

Prerequisite: Eligible for enrollment in ENG 1113 English Composition I without precollege level corequisite course

Course Level Objectives

Upon successful completion of this course, the student will be able to:

1. Identify general body organization and function. (GEO 3)
2. Recognize general anatomical and medical terms used in reference to the human body. (GEO 3)
3. Apply basic biochemistry principles. (GEO 2, 3)
4. Identify basic cellular structure, function, and genetics. (GEO 3)
5. Apply knowledge of histology as it relates to the structure and function of the body (GEO 2, 3)
6. Identify the structure and functions of the integumentary system. (GEO 3)
7. Apply knowledge of the structure of the skeletal system and recognize the principles of its function and chemistry. (GEO 2, 3)
8. Identify the structure/composition and function of articulations (Joints). (GEO 3)
9. Apply knowledge of the structure, function, and physiology of the muscular system. (GEO 2, 3)
10. Recognize the overall structure and anatomy of the nervous system and its divisions. (GEO 3)
11. Apply knowledge of nervous tissue physiology. (GEO 2, 3)

12. Identify basic structure and function of the sense organs involved in the special senses. (GEO 3)
13. Perform hands-on science laboratory experiments and dissections, properly caring for and maintaining laboratory equipment. (Laboratory sessions throughout course meet this objective). (GEO 3)
14. Use computer technology/software to enhance the Anatomy and Physiology learning experience. (GEO 1)
15. Read, summarize, and make personal conclusions/comments on newspaper, journal and internet articles within the realm of Anatomy and Physiology. (GEO 1, 2, 3)
16. Collaborate effectively in diverse laboratory or course groups. (GEO 4)

ACTS Equivalent Course Number: BIOL 2404

Next Course in Sequence: BIOL 2234, Anatomy and Physiology II

BIOL 2234 - Anatomy & Physiology II*

4 Credits Continuation of BIOL 2224 - Anatomy & Physiology I*. Topics include circulatory, respiratory, digestive, urinary, and endocrine and reproductive systems, fluids and electrolytes. Lab Fee.

Prerequisite: BIOL 2224 - Anatomy & Physiology I* with "C" or better grade earned within the last 7 years

Course Level Objectives

Upon successful completion of this course, the student will be able to:

1. Identify and characterize the components of blood and all its cell types, and the steps in formation of blood cells and components. (GEO 3)
2. Utilize laboratory tests to assess the blood. (GEO 2, 3)
3. Apply knowledge of the anatomy of the heart, the role of the heart in the circulatory system, and heart mechanics and physiology. (GEO 2, 3)
4. Recognize the anatomy and function of all vessel types and their role in blood pressure and flow. (GEO 3)
5. Identify the structure of the lymphatic system and its role in the immune and cardiovascular systems. (GEO 3)
6. Recognize the overall architecture of the immune system, its divisions and their components, and its normal and abnormal functions. (GEO 3)
7. Identify the anatomy of the respiratory system and its physiology and role in acid/base balance. (GEO 3)
8. Apply knowledge of the anatomy and physiology of the digestive system. (GEO 2, 3)
9. Apply knowledge of metabolism and the role of enzymes in its processes. (GEO 2, 3)
10. Identify the macroscopic and microscopic anatomy of the urinary system, urinary physiology and its role in acid/base balance, fluid balance, and long-term blood pressure control. (GEO 3)
11. Apply knowledge of acid/base balance, fluid balance, and electrolyte balance in the body. (GEO 2,3)
12. Recognize the anatomy and physiology of the reproductive system. (GEO 3)
13. Identify all hormones and their functions in the endocrine system. (GEO 3)
14. Perform hands-on science laboratory experiments and dissections, and properly care for and maintain laboratory equipment. (GEO 3)
15. Use computer technology/software to enhance the Anatomy and Physiology learning experience. (GEO 3)
16. Read, summarize, and make personal conclusions/comments on newspaper, journal and internet articles within the realm of Anatomy and Physiology. (GEO 1, 2, 3)

17. Collaborate effectively in diverse laboratory or course groups. (GEO 4)

ACTS Equivalent Course Number: BIOL 2414

BIOL 2244 - Microbiology*

4 Credits Introduces the fundamentals of microbiology with emphasis on the impact of microorganisms on the human population. Primarily designed for the student entering a health related field. Lab Fee.

Prerequisite: CHEM 1104 - Chemistry For Non-Majors* or CHEM 1204 General Chemistry I* and one of the following two Biology courses - BIOL 1114 - General Biology or BIOL 2224 - Anatomy & Physiology I. Both Chemistry and Biology courses must have earned a C grade or better within the last 7 years.

Course Level Objectives

Upon successful completion of this course, the student will be able to:

1. Discuss historical people, events, and technologies that contributed to the current science of microbiology. (GEO 1, 3)
2. Recognize biological and chemical concepts, including metabolism, as applied to microorganisms. (GEO 3)
3. Identify basic classification, characteristics, and behavior of microorganisms. (GEO 3)
4. Recognize host-microbe interactions and their effects on other living organisms, industry, and medicine with an emphasis on organisms that may result in infection. (GEO 3)
5. Discuss the fundamentals of immunology. (GEO 1, 3)
6. Apply principles of asepsis, sterilization, and disinfection. (GEO 2, 3)
7. Apply principles of epidemiology as they apply to the effect of microorganisms on the human population. (GEO 2, 3)
8. Apply appropriate general methods for the prevention and control of infectious disease transmission. (GEO 2, 3)
9. Discuss microbial growth and control. (GEO 1, 3)
10. Apply microbial genetics concepts and techniques. (GEO 2, 3)
11. Use/care for microscopes and other laboratory equipment of value to the microbiology laboratory. (GEO 3, 4)
12. Prepare and interpret stains for microbial differentiation, morphology, and special characteristics. (GEO 2, 3)
13. Apply appropriate general laboratory techniques/concepts, including but not limited to aseptic technique, streak plate, identification methods, and proper and timely transfer of microbiological samples to various...(GEO 3, 4)
14. Use computer technology/software to enhance the microbiology learning experience. (GEO 1)
15. Read, summarize, and make personal conclusions/comments on newspaper, journal and internet articles within the realm of microbiology. (GEO 1, 3)
16. Perform hands-on science laboratory experiments. (GEO 4)
17. Collaborate effectively in diverse laboratory and course groups. (GEO 4)

ACTS Equivalent Course Number: BIOL 2004

BIOL 2611 - Genetics Lab

1 Credits To accompany BIOL 2613 Genetics

Corequisite: BIOL 2613 Genetics

BIOL 2613 - Genetics

3 Credits An introduction to the principles of heredity, including gene structure and function. The course provides a comprehensive overview of both classical genetic theory and modern molecular-genetic mechanisms.

Prerequisite: BIOL 1114 General Biology* with a grade of "C" or better

Corequisite: BIOL 2611 Genetics Lab

Business

BUS 1011 - Career Strategies

1 Credits This short course covers what you need to know to get a job and keep it, whether it's your first job, next job, or a total career transition! This is a project-centered course that requires assignments to get done in time for classroom feedback and hands-on practice.

Course Level Objectives

Upon successful completion of this course, the student will be able to:

1. Explore and evaluate career options (PLO 3)
2. Identify employer competency expectations (PLO 1)
3. Write a professional resume (PLO 2, 5, 7)
4. Adapt the resume for Applicant Tracking Systems (PLO 2)
5. Write accomplishment statements specific to competencies (PLO 5)
6. Write a cover letter aligned to a job position (PLO 2, 5)
7. Prepare for and demonstrate effective interviewing skills (PLO 5, 7)
8. Conduct a strategic job search (PLO 2)
9. Communicate effectively with business contacts and potential employers (PLO 5, 7)
10. Demonstrate workplace ethics (PLO 6, 7)

BUS 1103 - Keyboarding I**

3 Credits Designed to develop basic keyboarding skills essential to the touch system. Includes development of proper keyboarding techniques, drills to develop speed and accuracy, and solving simple keying problems. Not open to students who have had one or more semesters of keyboarding except with the consent of the instructor. Outside practice required. Lab Fee.

Course Level Objectives

Upon successful completion of this course, the student will be able to:

1. Demonstrate keyboard touch method to alphanumeric keys. (GEO 3)
2. Define ergonomics and research healthy computing techniques and QWERTY keyboard history. (GEO 1, 2,3)
3. Perform word processing basics of saving, closing, opening, and printing documents. (GEO 1, 3)
4. Identify and apply proofreaders' marks on keyed copy. (GEO 3, 4)
5. Create, edit, and format various business documents using Microsoft Word. (GEO 1, 2, 3)
6. Recognize the implications of professionalism in the workplace. (GEO 4)

ACTS Equivalent Course Number: BUS 1103

BUS 1113 - Introduction To Business**

3 Credits Surveys business activities of individual, national, and international scope. A comparison of economic systems with emphasis on the free-enterprise system including forms of ownership, organization, management, ethics, labor relations, production, marketing, finance, and legal and regulatory influences.

Course Level Objectives

Upon successful completion of this course, the student will be able to:

1. Assess the different types of businesses. (GEO 2, 3)
2. Describe how business promotes social responsibility and ethical behavior. (GEO 1, 4)
3. Evaluate how e-Business is changing the world of business and society. (GEO 2, 4)
4. Compare and contrast the legal forms of business ownership (GEO 2, 3)
5. Interpret the capital and human resources needs in the business organization structure. (GEO 2)
6. Describe the production function. (GEO 1, 3)
7. Evaluate the marketing function of a business. (GEO 2, 3)
8. Interpret the accounting functions used in business. (GEO 2)
9. Summarize the financial management function in business. (GEO 1, 2)

ACTS Equivalent Course Number: BUS 1013

BUS 1133 - Introduction To Income Taxes

3 Credits Introduction to federal income taxation with special emphasis on tax rules and conventions, preparing tax forms for individuals, and tax planning. An introduction to corporate taxation concepts will also be discussed. This course is designed for individuals from all disciplines regardless of major. No business or accounting experience is required.

Course Level Objectives

Upon successful completion of this course the student will be able to:

1. Prepare and review basic tax returns of individual tax payers. (PLO 1, 2, 3, 4, 5, 6)
2. Employ the components of the federal income tax formula. (PLO 1, 4, 6)
3. Determine appropriate inclusions and exclusions to gross income. (PLO 1, 4, 6)
4. Choose proper adjustments "for" adjusted gross income. (PLO 1, 3, 4, 6)
5. Demonstrate proper treatment for itemized deductions. (PLO 1, 4, 6)
6. Compute self-employed business income. (PLO 1, 4, 6)
7. Determine income from rental property, royalties and flow through entities. (PLO 1, 4, 6)
8. Apply appropriate tax credits for individual tax payers. (PLO 1, 4, 6)

BUS 1143 - Introduction To Marketing**

3 Credits Overviews marketing and its role both within the firm and society. Explores concepts, functions, and institutions involved in the creation, distribution, and sale of products and services, along with the tasks and decisions facing the marketing manager.

Course Level Objectives

Upon successful completion of this course, the student will be able to:

1. Discuss basic marketing principles and concepts. (GEO 1, 3)
2. Define marketing strategy and describe the elements of a marketing plan. (GEO 3)

3. Describe the 4 E framework and discuss the impact of social media marketing. (GEO 1, 3, 4)
4. Discuss the ethical, cultural, social, and global impact of an organization's marketing activities. (GEO 1, 3, 4)
5. Explain the macroenvironment, the role of research involved in decision making, and the role of technology in an organization's marketing activities. (GEO 1, 2, 3)
6. Relate marketing to other organizational functions. (GEO 3)
7. Develop a complete marketing plan for a local business. (GEO 1, 2,3)

ACTS Equivalent Course Number: MKTG 2003

BUS 1183 - Small Business Management

3 Credits Focus is on the application and interpretation of management concepts and techniques to the small business firm and the problems faced in the formation and early growth periods. Permission of the instructor.

Course Level Objectives

Upon successful completion of this course the student will be able to:

1. Apply the essentials of managing a small business. (PLO 1, 3, 4)
2. Develop a practical business plan. (PLO 4, 5)
3. Estimate the financing needs for a small start-up business. (PLO 3, 4, 6)
4. Develop and work with a budget. (PLO 3, 4, 5)
5. Select effective marketing strategies for the business. (PLO 5, 6, 7)
6. Interpret the taxes and laws that apply to business. (PLO 4)
7. Manage small business inventory. (PLO 1, 2, 4)
8. Analyze ethical issues involved in running a small business. (PLO 6, 7)
9. Investigate the impact of e-commerce when building a small business. (PLO 2, 3, 4)

BUS 1223 - Human Resource Management

3 Credits This course focuses on the planning, directing, and controlling of the personnel function. The emphasis is on the recruitment, selection, development, and evaluation of employees.

Course Level Objectives

Upon successful completion of this course the student will be able to:

1. Define human resource management general functions within a business. (PLO 1, 3, 4, 6)
2. Recognize various federal laws that influence human resource management decisions. (PLO 3, 4, 5)
3. Discuss human resource management staffing techniques related to recruiting, selecting, training, appraising, and retaining employees. (PLO 4, 5, 6)
4. Report findings from a human resource management employee interview. (PLO 5, 7)

BUS 2033 - Business Communications**

3 Credits Focus is on the principles of effective business letter writing and the solutions of business communications problems in the modern business world. Special emphasis on letters of application, sales and credit letters, related business forms, business reports, and the development of effective expression.

Prerequisite: ENG 1113 English Composition I with a grade of "C" or better and CIS 1013 Information Systems

Course Level Objectives

Upon successful completion of this course, the student will be able to:

1. Create a variety of business documents by applying effective writing expression and research techniques. (GEO 1, 3)
2. Deliver an effective verbal presentation. (GEO 1)
3. Participate in a face-to-face or online mock interview. (GEO 1, 3, 4)
4. Compile a comprehensive collection of professionally written business documents into job-interview-ready portfolio. (GEO 1, 2, 3, 4)

ACTS Equivalent Course Number: BUS 2013

BUS 2093 - Business Internship

3 Credits Business Internship is an opportunity to enhance and reinforce classroom instruction with on-the-job work experience. Appropriate training stations will be developed, and supervision will be provided by instructors and site personnel. Students are required to complete 135 clock hours of supervised experience during the term.

BUS 2123 - Business Statistics**

3 Credits An introduction to statistics used in business decisions and applications. Course content includes data analysis, probability, discrete and continuous distributions, estimation, averages, sampling, and hypothesis testing.

Prerequisite: MATH 1123 - College Algebra*; Computer Literacy.

Course Level Objectives

Upon successful completion of this course the student will be able to:

1. Compute and interpret given data. (GEO 2, 3)
2. Create/Design tables and graphs based on given data to communicate professionally with a variety of audiences. (GEO 1, 2, 3, 4)
3. Determine measures of location and variability. (GEO 2, 3)
4. Determine the probability of certain outcomes. (GEO 2, 3)
5. Apply discrete probability distributions. (GEO 2, 3)
6. Apply continuous probability distributions. (GEO 2, 3)
7. Take samples from a population and determine the sampling distribution of the samples. (GEO 2, 3)
8. Construct confidence intervals. (GEO 2, 3)
9. Conduct hypothesis tests. (GEO 2, 3)
10. Estimate population variances for given data. (GEO 2, 3)

ACTS Equivalent Course Number: BUS 2103

BUS 2203 - Business Law**

3 Credits This course is an introduction to the American legal system as it applies to the environment in which businesses operate. Focus is on the basic principles of contracts, negotiable instruments, real and personal property sales, secured property, insurance, bankruptcy, wills, trusts, and probate estates.

Course Level Objectives

Upon successful completion of this course, the student will be able to:

1. Interpret the basic legal principles and the role of government regulation in business. (GEO 2)
2. Explain the American court system. (GEO 1,3)
3. Describe business torts and crimes. (GEO 1, 3)
4. Compare the types of contracts. (GEO 2, 3)
5. Differentiate personal property and real property. (GEO 3)
6. Interpret the different types of sales and negotiable instruments associated with sales. (GEO 1, 3)
7. Describe agency - the creation, operation, and termination of an agency. (GEO 1, 3)
8. Interpret the basic laws of employment law. (GEO 2, 3)
9. Differentiate the types of business organizations. (GEO 3)
10. Explain insurance and compare the types of insurance. (GEO 1, 3)
11. Summarize bankruptcy procedures. (GEO 1,3)
12. Describe wills, inheritances, and trusts. (GEO 1,3)
13. Relate ethical behavior in the business community. (GEO 4)

ACTS Equivalent Course Number: BLAW 2003

BUS 2213 - Business Calculus

3 Credits An introduction to concepts of differential and integral calculus used in business decisions and applications. Course content includes curve sketching, exponential growth, derivatives, regression, continuity, limits, and probability.

Prerequisite: MATH 1123 - College Algebra* with a grade of "C" or better; computer literacy

Course Level Objectives

Upon successful completion of this course, the student will be able to:

1. Compute limits. (PLO 1, 2)
2. Determine intervals of continuity. (PLO 1)
3. Apply the definition to compute the derivative. (PLO 1)
4. Determine the intervals on which a function is differentiable. (PLO 1)
5. Determine the derivative of a power, a product, a quotient, a composite function, an implicitly defined function, an exponential function, and a logarithmic function. (PLO 1,)
6. Apply the Extreme Value Theorem to find absolute extrema on a closed interval. (PLO 1, 2)
7. Analyze the characteristics of the graph of a function including relative extrema, concavity, inflection points, and asymptotes by using curve sketching techniques. (PLO 1, 2, 3, 5)
8. Apply principles of differentiation to the solution of problems related to natural and social sciences including but not limited to optimization, continuously compounded interest, point of diminishing return, break ev. . . (PLO 1, 2, 3, 4, 5, 6, 7)
9. Determine the antiderivative and the indefinite integral of a function. (PLO 1)
10. Use the Fundamental Theorem of Calculus to compute the definite integral of a function. (PLO 1, 2)
11. Integrate functions by Substitution. (PLO 1, 2)
12. Solve problems with two or more independent variables. (PLO 1, 2)
13. Determine partial derivatives. (PLO 1, 2)
14. Determine extrema of multivariable functions. (PLO 1, 2)

BUS 2343 - Advertising

3 Credits Advertising is designed to introduce the student to basic advertising terminology, the purpose of advertising, the use of media, target marketing and segmentation, advertising development, and advertising

campaigns. Career opportunities in advertising and using advertising in buying decisions will also be discussed.

Course Level Objectives

Upon successful completion of this course, the student will be able to:

1. Discuss the evolution of advertising (PLO 1, 4, 5)
2. Describe the role of advertising and its impact on society (PLO 1, 4, 6, 7)
3. Examine the business side of advertising (PLO 1)
4. Identify the targeting mix and marketing mix of advertising (PLO 1, 3, 4)
5. Describe consumer buying behaviors (PLO 1, 3, 5)
6. Identify the steps of the planning process for advertising (PLO 1, 2, 3, 4, 5, 7)
7. Discuss the importance of the creative process in advertising (PLO 3, 4, 5)
8. Discuss advertising strategies used to reach a target market (PLO 1, 3, 4, 5, 7)

BUS 2353 - Retailing

3 Credits Retailing is the study of the type of business that buys from producers and/or wholesalers and sells to consumers. Students will study retailing formats and structures; merchandise and store positioning; merchandise characteristics; planning and buying; personal selling, advertising, and sales promotion; customer relations; and technology used in retailing. Ethical and legal behavior in retail management will also be discussed.

Course Level Objectives

Upon successful completion of this course, the student will be able to:

1. Describe the contribution of retailers to the product value chain (PLO 1)
2. Examine consumer motivations, shopping behaviors, and decision processes (PLO 3)
3. Relate corporate objectives using competitor analysis and competitive strategy (PLO 2, 3, 4)
4. Recognize the fundamentals of segmentation (PLO 4)
5. Describe how retailers differentiate their retail offerings as part of their corporate strategy (PLO 3, 6)
6. Evaluate the impact of strategic decisions for location, supply chain, information systems, and customer retention programs (PLO 3, 4)
7. Examine how retailer's communicate with their customers (PLO 5, 7)
8. Apply retailing tactics to maximize profit (PLO 4)

Chemistry

CHEM 1104 - Chemistry For Non-Majors*

4 Credits Introduces the student to fundamental concepts in: descriptive inorganic chemistry, physical states of matter, chemical reactivity, atomic/molecular structure, chemical bonding, kinetic theory/gas laws, acid/base chemistry. This course also entails an introduction to organic chemistry and biochemistry, which includes hydrocarbons, organic functional groups, carbohydrates, lipids, proteins, enzymes, and nucleic acids. This course emphasizes knowledge pertinent to the health and nursing sciences. Lab Fee.

Corequisite: LAD 9024 - Foundations of College Math 2 or placement test.

Course Level Objectives

Upon successful completion of this course, the student will be able to:

1. Use the metric system and apply conversion factors and significant figure rules in unit conversions and dosage calculations. (GEO 2, 3)
2. Describe the physical and chemical characteristics of elements on the Periodic Table. (GEO 1, 3)
3. Apply the rules of chemical nomenclature and determine how atoms will bond with each other. (GEO 2, 3)
4. Compare acids and bases, and use the pH scale. (GEO 2,3)
5. Distinguish between organic and inorganic compounds and identify and name hydrocarbons with various substituent groups. (GEO 1, 3)
6. Identify the different types of functional groups present in organic molecules. (GEO 2,3)
7. Discuss the biological importance of various organic molecules. (GEO 1, 3)
8. Describe the roles and functions of biomolecules like carbohydrates, amino acids, proteins, and lipids in our body. (GEO 1,3)
9. Conduct accurate collaborative laboratory experiments using safe and proper techniques. (GEO 3, 4)

ACTS Equivalent Course Number: CHEM 1004

CHEM 1204 - General Chemistry I*

4 Credits The first part of a two-semester chemistry sequence for science and engineering majors. This course provides a student with the fundamental laws, theories, and problem-solving skills associated with structure and interactions of matter, properties of matter, stoichiometry, chemical reactions including oxidation/reduction, physical states of matter, changes of state, first law of thermodynamics/heat of reactions, atomic/molecular structure, periodicity, chemical bonding, and nuclear chemistry. Lab Fee.

Prerequisite: A grade of "C" or better in MATH 1123 - College Algebra*. It is suggested, but not required, that students with no high school chemistry in the last 7 years should complete and pass CHEM 1104 Chemistry For Non-Majors* with a "C" or better.

Course Level Objectives

Upon successful completion of this course, the student will be able to:

1. Describe the classifications of matter and distinguish between chemical properties and physical properties of matter. (GEO 1, 3)
2. Apply knowledge of stoichiometry to determine quantity of matter in moles and grams. (GEO 2, 3)
3. Identify the gas laws that govern the physical and chemical behavior of gas. (GEO 2, 3)
4. Identify the first law of thermodynamics and calculate the heat absorbed or evolved during chemical change. (GEO 2, 3)
5. Recognize the fundamentals of quantum theory, atomic structures, and nuclear chemistry. (GEO 3)
6. Describe the formation of ionic and covalent bonds and identify the Lewis structures and molecular geometry. (GEO 3)
7. Use laboratory equipment to properly conduct experiments. (GEO 4)

ACTS Equivalent Course Number: CHEM 1414

Next Course in Sequence: CHEM 2204, General Chemistry II

CHEM 2204 - General Chemistry II*

4 Credits Continuation of CHEM 1204 - General Chemistry I*. This course provides students with the fundamental laws, theories, and problem-solving skills associated with properties of solutions, chemical

kinetics, chemical equilibria, acid/base equilibria, second and third laws of thermodynamics, electrochemistry, and main group/transition metal chemistry. Lab Fee.

Prerequisite: CHEM 1204 - General Chemistry I* passed with a grade of "C" or better, or instructor consent.

Course Level Objectives

Upon successful completion of this course, the student will be able to:

1. State the characteristics of liquids and solids, including phase diagrams. (GEO 2, 3)
2. Use laboratory equipment to properly conduct experiments. (GEO 4)
3. Articulate the importance of intermolecular interactions and predict trends in physical properties. (GEO 1, 2, 3)
4. Analyze and perform calculations with the thermodynamic functions, enthalpy, entropy, and free energy. (GEO 2, 3)
5. Determine the rate of a reaction and its dependence on concentration, time, and temperature. (GEO 2, 3)
6. Identify and balance oxidation-reduction equations and solve redox titration problems. (GEO 2, 3)
7. Identify the characteristics of acids, bases, and salts, and solve problems based on their quantitative relationships. (GEO 2, 3)
8. Apply the principles of equilibrium to aqueous systems using LeChatelier's Principle to predict the effects of concentration, pressure, and temperature changes on equilibrium mixtures. (GEO 2, 3)
9. Discuss the construction and operation of galvanic and electrolytic electrochemical cells and determine standard and non-standard cell potentials. (GEO 1, 2, 3)
10. Use laboratory equipment to properly conduct experiments. (GEO 4)

ACTS Equivalent Course Number: CHEM 1424

CHEM 2611 - Organic Chemistry I Lab

1 Credits To accompany CHEM 2613 Organic Chemistry I

Corequisite: CHEM 2613 Organic Chemistry I

CHEM 2613 - Organic Chemistry I

3 Credits This course is designed to provide a broad understanding of general principles of organic chemistry related to structure, stereochemistry, nomenclature, synthesis, reactions and reaction mechanism of organic compounds including alkanes, alkenes, alkynes, and alkyl halides etc. Emphasis is on prediction of reaction products using reaction mechanism and synthesis of various organic compounds.

Prerequisite: CHEM 2204 General Chemistry II* with a grade of "C" or better

Corequisite: CHEM 2611 Organic Chemistry I Lab

CHEM 2621 - Organic Chemistry II Lab

1 Credits To accompany CHEM 2623 Organic Chemistry II

Prerequisite: CHEM 2613/2611 Organic Chemistry I/Lab with a grade of "C" or better

Corequisite: CHEM 2623 Organic Chemistry II

CHEM 2623 - Organic Chemistry II

3 Credits This course is a continuation of CHEM 2613 Organic Chemistry I and it includes structure, nomenclature, reactions, reaction mechanism, synthesis and spectroscopy of aliphatic and aromatic alcohols, amines, carbonyl and carboxyl compounds, and carbohydrates. Emphasis on spectroscopy and reactivity of various aliphatic and aromatic compounds not previously discussed in organic chemistry I.

Prerequisite: CHEM 2613/2611 Organic Chemistry I/Lab with a grade of "C" or better

Corequisite: CHEM 2621 Organic Chemistry II Lab

CHEM 2631 - Analytical Chemistry Lab

1 Credits Must be taken concurrently with CHEM 2632 Analytical Chemistry.

Prerequisite: CHEM 2204 General Chemistry II* completed with a grade of "C" or better

Corequisite: CHEM 2632 Analytical Chemistry. Withdrawal from either class results in withdrawal from both classes.

CHEM 2632 - Analytical Chemistry

2 Credits This is a course in fundamental theories and techniques in classical methods of chemical analysis including titration, gravimetry, and equilibria, as well as, error analysis and an introduction to statistics.

Prerequisite: CHEM 2204 General Chemistry II* completed with a grade of "C" or better.

Corequisite: CHEM 2631 Analytical Chemistry Lab. Withdrawal from either class results in withdrawal from both classes.

Course Level Objectives

Upon successful completion of this course, the student will be able to:

1. Reproduce scientific data by repeating chemical analysis technique. (GEO 1, 3)
2. Explain chemical equilibria and apply this concept to describe acid-base equilibria, buffer solutions and solubility products. (GEO 1, 2, 3)
3. Describe the concept of quantitative analyses such as titrimetric analysis and gravimetric analysis. (GEO 1, 2, 3)
4. Use volumetric and analytical laboratory glasswares and instruments to conduct scientific experiments. (GEO 3)
5. Perform wet method analyses carried out regularly by analytical chemists. (GEO 3)
6. Prepare and interpret instrumental calibration curves. (GEO 3)

Computer Science & Networking

CIS 0000 - Computer Competency Test

0 - 3 Credits

A competency exam for Office 2013 and Windows 8 may be taken in the NPC Testing Center in place of CIS 1023 Introduction to Computing*.

A fee is charged when this exam is taken for credit.

There is no charge for the test when taken to meet a prerequisite requirement.

CIS 1013 - Information Systems

3 Credits This course introduces spreadsheet, database, and visual basic application (VBA) software. Emphasis is given to hands-on practice reinforcing computer skills through the use of assignments and exams. Lab Fee.

Prerequisite: CIS 1023 Introduction to Computing* with a grade of "C" or better, or competency test, or instructor permission.

Course Level Objectives

Upon successful completion of this course, the student will be able to:

1. Create and format spreadsheets and databases using Microsoft Excel and Access software. (PLO 1, 2, 4, 5, 7)
2. Use formulas and functions in Microsoft Excel workbooks. (PLO 1, 2, 3, 4, 5, 6, 7)
3. Manage Excel tables, pivot tables, and multiple worksheets and workbooks. (PLO 1, 2, 3, 5, 6, 7)
4. Create database objects and advanced queries using Microsoft Access. (PLO 1, 2, 3, 4, 5, 7)
5. Create and modify basic functions using Microsoft Visual Basic for Applications (PLO 1, 2, 3, 4, 5, 7)

CIS 1023 - Introduction to Computing*

3 Credits Introductory course designed to give the student hands-on computer instruction. Hardware and software basics, mouse and keyboard shortcuts, managing files /folders, running multiple applications concurrently, cut-copy-paste techniques; software applications that learners use on a regular basis, including word-processing, spreadsheet, database, and presentations; use of internet, getting connected; learning to use features of the web browser, searching the web, downloading files and programs, and using e-mail.

Prerequisite: Basic keyboarding skills required or BUS 1103 Keyboarding I** strongly recommended

Course Level Objectives

Upon successful completion of this course, the student will be able to:

1. Identify various computer types and computer system components. (GEO 3)
2. List the major functions of operating systems. (GEO 3)
3. Use common e-mail features. (GEO 1, 4)
4. Manipulate Windows operating system and manage files and folders. (GEO 3)
5. Create, edit, save, and print files using Microsoft Office applications. (GEO 2)
6. Use peripheral and cloud storage options including flash drives and Windows OneDrive. (GEO 3)
7. Demonstrate basic Internet search techniques to locate online information. (GEO 2, 3)

ACTS Equivalent Course Number: CPSI 1003

Next Course in Sequence: CIS 1013, Information Systems

CIS 1031 - Computer Science I Lab

1 Credits This course focuses on hands on practices of the programming concepts learned in Computer Science I. Language syntax and computing paradigms are studied. Programming projects are used to reinforce key programming notions, including problem solving, decision making, iteration, data types, functions, and objects.

Course Availability: **Fall Semester Only**

Corequisite: CIS 1033 Computer Science I. Withdrawal from either class results in withdrawal from both classes.

CIS 1033 - Computer Science I

3 Credits This is an introductory programming course for computer science majors. Concepts are presented in the context of working examples and exercises. Language syntax and computing paradigms are studied. Programming projects are used to reinforce key programming notions, including problem solving, decision making, iteration, data types, functions, and objects.

Course Availability: **Offered Fall Semester Only**

Corequisite: CIS 1023 Introduction to Computing* or basic computer skills and instructor permission

Course Level Objectives

Upon successful completion of this course the student will be able to:

1. Define the need for computer programming (PLO 2, 4).
2. Describe the basic components of a computer system including hardware and software (PLO 1, 2).
3. Identify the components of a program, variable types, operators (PLO 1, 2).
4. Design and implement program expressions (PLO 1, 2).
5. Create and use decision making constructs and relational operators (PLO 1, 2).
6. Select and design an appropriate looping mechanism (PLO 1, 2).
7. Explain basic sequential file operations (PLO 1, 2).
8. Define functions and implement them to solve complex programming problems (PLO 1, 2).
9. Describe local and global variables and reference and value parameters (PLO 1, 2).
10. Recognize the need and use of arrays (PLO 1, 2).
11. Define basic search and sort algorithms. (PLO 1, 2).

Next Course in Sequence: CIS 1043, Computer Science II

CIS 1041 - Computer Science II Lab

1 Credits This course focuses on hands on practices of the programming concepts learned in Computer Science I. Language syntax and computing paradigms are studied. Programming projects are used to reinforce key programming notions, including problem solving, decision making, iteration, data types, functions, and objects.

Prerequisite: CIS 1033 Computer Science I and CIS 1031 Computer Science I Lab

Corequisite: CIS 1043 Computer Science II. Withdrawal from either class results in withdrawal from both classes.

CIS 1043 - Computer Science II

3 Credits A continuation of Computer Science I (CIS 1033). This course continues by introducing more advanced programming topics including data structures, algorithms, design analysis, program logic and especially object oriented programming.

Prerequisite: CIS 1033 - Computer Science I

Course Level Objectives

Upon successful completion of this course, the student will be able to:

1. Explain the purpose of address pointers (PLO 1,2,4)
2. Illustrate the use of pointers in an application (PLO 1,2)
3. Demonstrate the application of string functions (PLO 1,2)
4. Describe the need and application structured data (PLO 1,2)
5. Demonstrate the use of advanced file operations using binary and random-access files (PLO 1,2)
6. Explain the purpose and use of Classes and Objects in programming (PLO 1,2, 3)
7. Design and use an Object in an application (PLO 1,2)
8. Describe, produce and apply Class methods and properties (PLO 1,2)
9. Explain advanced Class concepts, polymorphism, inheritance, encapsulation (PLO 1,2)
10. Illustrate the correct use of Exceptions and Templates (PLO 1,2)
11. Explain the purpose of the Standard Template Library (PLO 1, 2)

CIS 1173 - Spreadsheets I

3 Credits This course is designed to instruct students in the use of spreadsheet software to model, analyze, and support common business decisions. Instruction will include using the software as a decision support tool and as a list management tool. Concepts and features presented include: scenario and regression analysis, data scrubbing, chart building and analysis, Pivot tables and Pivot charts, filtering, troubleshooting formulas, tracing errors, and using advanced functions. An introduction into Visual Basic for Applications (VBA) is included and used in creating custom forms, custom functions, recording and editing macros, using variables and ranges and controlling code execution. Instruction is also given in importing, linking, and using VBA to share spreadsheet data with databases and the Web.

Lab Fee.

Prerequisite: CIS 1013 - Information Systems with a grade of "C" or better

Course Level Objectives

Upon successful completion of this course the student will be able to:

1. Demonstrate fundamental Excel skills (PLO 1, 2)
2. Use statistical analysis tools to solve problems (PLO 1, 2, 4)
3. Illustrate effective data display with charts (PLO 1, 2, 3, 4, 5)
4. Demonstrate the application of logic structures in decision making (PLO 1, 2, 3 4)
5. Perform data retrieval for computation, analysis, and reference (PLO 1, 2)
6. Calculate the financial impact of loans and investments (PLO 1, 2, 6)
7. Explain how to organize data for effective analysis (PLO 1, 3, 4, 5)
8. Identify techniques to troubleshoot workbooks (PLO 1, 2, 3, 4)
9. Design an automated Excel application (PLO 1, 2)

CIS 1201 - Computer Math

1 Credits This course gives students the math skills they will need to succeed in a career in Information Technology. Topics include computations involving decimal (base 10), octal (base 8), binary (base 2), and hexadecimal (base 16) number systems; addition and subtraction in all number systems; base 10 prefixes (tera, giga, mega, kilo, hecto, deca, deci, centi, milli, micro, nano, pico) and their numeric values in other systems. A brief study of logic is included, with particular emphasis given to logical operators AND, OR, NOT, XOR, and their corresponding truth tables. The particulars of subnet masking will also be examined.

Prerequisite: Eligible for enrollment in LAD Foundations of College Math 2

CIS 1233 - Windows Operating System Fundamentals

3 Credits This course prepares the student with the skill and knowledge necessary to use and manage a Windows client operating system at a fundamental level.

Corequisite: CIS 1243 PC Hardware Maintenance 1

Course Level Objectives

Upon successful completion of this course the student will be able to:

1. Install Windows 10 Operating System in virtualized computer environment. (PLO 1,2)
2. Configure all of the principal Administrative tasks for the operating system. (PLO 1, 2)
3. Configure network settings to share files, folders, and other resources. (PLO 1, 2, 3)
4. Create and manage local user accounts, permissions, and group policy. (PLO 1, 2, 3,4)
5. Create and manage disk partitions, volume both basic and dynamic. (PLO 1, 2)

CIS 1243 - PC Hardware Maintenance 1

3 Credits This course provides knowledge of and experience with microcomputer hardware selection, installation, maintenance and operation of external and internal components. Students will gain hands-on experience in the assembling of computers and the installation of drivers that make the components functional.

Lab Fee.

Course Level Objectives

Upon successful completion of this course the student will be able to:

1. Describe the basic function of each PC hardware component (PLO 2, 4, 5).
2. Describe how the operating system functions with each hardware component (PLO 2, 4, 5).
3. Explain the different types of memory (PLO 2, 4, 5).
4. Construct a PC connecting all internal and external components (PLO 1, 2, 3, 4).
5. Install drivers and other necessary system files (PLO 1, 2, 3, 4).
6. Create and configure disk volumes including RAID configurations (PLO 1, 2, 3, 4).
7. Implement networking configurations to connect a PC to network (PLO 1, 2, 3, 4).
8. Troubleshoot printers (PLO 1, 2, 3, 4, 5, 6, 7).
9. Select the correct form factor components to replace parts or build a new PC (PLO 2, 4, 6).
10. Write a professional proposal for computer construction and sales (PLO 2, 3, 4, 5, 6, 7).

CIS 1613 - Network Pro

3 Credits This course provides the student with the skills and knowledge required of an entry level network administrator. Course topics include: 1) identifying network cable and network types; 2) identifying common network standards; 3) selecting and installing network interface cards; 4) identifying wired and wireless network components; 5) setting up a wired or wireless network; 6) managing static and IP addressing; 7) managing network protocols; 8) configuring network security; 9) managing network traffic; 10) configuring remote access to a network; 11) troubleshooting common network errors.

Prerequisite: CIS 2143 - PC Hardware Maintenance 2, CIS 2113 - Server and Networking Fundamentals

Course Level Objectives

Upon successful completion of this course, the student will be able to:

1. Create a network connection between two or more computers. (PLO 1, 2, 4)
2. Create an Ethernet cable with RJ45 connector. (PLO 1, 4)
3. Configure basic configurations for routers and switches to establish network connectivity. (PLO 1, 2, 4)
4. Employ an IP Address, subnet mask, gateway, and DNS configuration in a network environment. (PLO 1, 2, 3, 4)
5. Demonstrate competency as a network technician by means of certification exam. (PLO 4, 6)
- 6.

CIS 1623 - Security Pro

3 Credits This course provides the student with the skills and knowledge necessary to manage security threats and harden security for computer systems. The following knowledge domains are addressed: 1) access control and identity management; 2) policies, procedures, and awareness; 3) physical security; 4) perimeter defenses; 5) network defenses; 6) host defenses; 7) application defenses; 8) data defenses; 9) audits and assessments.

Prerequisite: CIS 1613 Network Pro, CIS 2113 - Server and Networking Fundamentals, CIS 2143 PC Hardware Maintenance 2

Course Level Objectives

Upon successful completion of this course, the student will be able to:

1. Manage incident response teams. (PLO 1, 4, 5, 6, 7)
2. Implement security systems using cryptography and encryption. (PLO 1, 2, 3, 4)
3. Use hashing and data integrity tools and algorithms. (PLO 1, 2, 4)
4. Mitigate against a variety of attacks. (PLO 1, 4, 5)
5. Design security policy. (PLO 4, 5, 6, 7)
6. Design software security features in an application. (PLO 1, 2, 3, 4)

Next Course in Sequence: CIS 2613, Server I

CIS 1813 - Computer Law & Ethics

3 Credits This course covers ethical issues related to technology including responsibility, liability, and legal issues affecting computer professionals and users. This course is designed to develop and encourage ethical decision making, behavior, and character expected of an IT professional. Lab Fee.

Course Level Objectives

Upon successful completion of this course, the student will be able to:

1. Discuss the fast-changing world of technology. (PLO 2)
2. Summarize professional ethics as it relates to the IT professional. (PLO 1, 6, 7)
3. Explain the risks of technological privacy and our rights as consumers and businesses. (PLO 4)
4. Summarize the impact technology has had on our everyday lives. (PLO 2, 5)
5. Evaluate how governments use and restrict technology within their country's borders. (PLO 4)
6. Identify ways that technology is used to gather information about consumers. (PLO 1, 2, 6)

7. Analyze laws and regulations as it pertains to freedom of speech, political freedoms, and censorship in technology. (PLO 3)
8. Describe computer crimes. (PLO 4, 5)
9. Examine how jobs are impacted by technology. (PLO 3, 4, 6)
10. Explore and evaluate the errors, failures, and risks associated with computer systems. (PLO 2, 3, 4)

CIS 1943 - Microsoft SQL

3 Credits This class develops relational database design skills and techniques. Practical methodologies such as E-R diagrams and normalization forms are emphasized. Attention is placed on designing for data integrity and efficiency at the same time. During hands on lab sessions students are required to design multiple database models from business requirements and specifications. Through hands on experience using SQL programming code to create, populate and manage relational tables, students will experience the necessity of proper design methods and gain an in depth understanding of the link between design, creation, and utilization.

Prerequisite: CIS 1033 - Computer Science I, CIS 1043 - Computer Science II

CIS 2003 - Games Development

3 Credits This course emphasizes 3D game production and implementation. Students apply advanced 3D game design development principles to create deliverables for 3D games. Students will work with an existing game engine and content pipeline. Additionally, the course will explore the creation and use of different design techniques, key development issues, process management, and professional practices.

Prerequisite: CIS 1043 Computer Science II

Course Level Objectives

Upon successful completion of this course the student will be able to:

1. Describe the game editor interface and configuration. (PLO 1, 2)
2. Identify game objects and transforms. (PLO 1, 2)
3. Manipulate the 2D and 3D coordinate systems. (PLO 1, 2)
4. Create game assets including terrain, textures, materials, and more. (PLO 1, 2)
5. Employ Lights and Cameras to effectively display the game. (PLO 1, 2)
6. Write game scripts to control game assets. (PLO 1, 2)
7. Recognize the correct usage of and implement collision and triggers. (PLO 1, 2)
8. Use self-created assets in game scripts. (PLO 1, 2)
9. Illustrate the use and design of an effective user interface. (PLO 1, 2, 5)
10. Implement particle systems. (PLO 1, 2)
11. Employ self-created animations and animation controllers. (PLO 1, 2)
12. Use audio to enhance the game experience. (PLO 1, 2, 5)
13. Illustrate the process of building a game for a mobile platform. (PLO 1, 2)
14. Complete multiple game projects. (PLO 1, 2)

CIS 2113 - Server and Networking Fundamentals

3 Credits This course provides the students an introduction to server and networking technologies. It teaches them how to create a server-based network at a fundamental level. Lab Fee.

Prerequisite: CIS 1233 Windows Operating System Fundamentals

Course Level Objectives

Upon successful completion of this course the student will be able to:

1. Demonstrate installation of the latest Windows Server Operating system from a disk, from a network, and from a portable device (PLO 1, 2, 3, 4).
2. Add basic server roles including domain controller, DNS, DHCP, and Routing and Remote Access (PLO 1, 2, 3, 4, 5).
3. Add a Windows Client computer to a Windows domain (PLO 1, 2, 3, 4).
4. Employ configuration of network settings for physical connection of a server to a network (PLO 1, 2, 3, 4).
5. Create virtual machines for Windows Server using Hyper V and VMware (PLO 1, 2, 3, 4).
6. Analyze the monitoring of a network from the server platform (PLO 1, 2, 4, 5, 6, 7).
7. Demonstrate competence in Networking Fundamentals by Microsoft certification (PLO 1, 2, 3, 4, 5, 7).

CIS 2143 - PC Hardware Maintenance 2

3 Credits This course is designed to introduce students to servicing computer systems from the software standpoint. This course includes IRQ, DMA, files, drivers, operating systems, applications, and other software conflicts that occur in computer systems. An in-depth focus on application conflicts and software installation and troubleshooting, utilizing various software packages, is included. Virus scan software is touched upon. Emphasis is toward hands-on software troubleshooting and repair environment. Lab Fee.

Prerequisite: CIS 1243.

Course Level Objectives

Upon successful completion of this course the student will be able to:

1. Demonstrate Installation and configuration of current operating system on desktops and laptops (PLO 1, 2, 3, 4).
2. Set power settings on laptop computers (PLO 1, 2, 3, 4, 6).
3. Demonstrate Troubleshoot techniques for laptops and desktops (PLO 1, 2, 3, 4, 5, 6, 7).
4. Troubleshoot network connections on laptops and mobile devices (PLO 1, 2, 3, 4, 5, 6, 7).
5. Analyze PC performance with Task manager, performance monitor, event viewer, etc. (PLO 1, 2, 3, 4).
6. Implement remote access on computers (PLO 1, 2, 3, 4).
7. Create virtual machines (PLO 1, 2, 3, 4).
8. Set NTFS permissions (PLO 1, 2, 3, 4).
9. Implement security measures to prevent security breaches on computer systems (PLO 1, 2, 3, 4).
10. Demonstrate Implementation of computer and network security measures with firewalls (PLO 1, 2, 3, 4).
11. Select all the components for a PC for a proper build (PLO 1, 2, 3, 4).
12. Construct a PC from scratch using all components in a virtual lab (PLO 1, 2, 3, 4).
13. Demonstrate competency as a PC Technician by certification final (PLO 1, 2, 3, 4, 5, 7).

CIS 2173 - Programming with Mobile Applications

3 Credits The course will introduce students to the various platforms in use on small and tablet mobile devices. Platforms will include Apple iPhone Google Android OS and Microsoft Windows Phone 7. Students will create applications for each platform using specialized development environments.

Prerequisite: CIS 1033 - Computer Science I and CIS 1043 - Computer Science II.

CIS 2183 - Windows Client OS

3 Credits This course covers the administration and configuring of Windows 10 operating system. In addition, it prepares the students for the Microsoft Exams 70-697 & 70-698. This course prepares students to master the configuration and support for Windows 10 computers, devices, users, and associated network and security resources.

Students are prepared to work with networks configured as domain-based or peer-to-peer environments with access to the Internet and cloud services. In addition, students will have mastered the skills required to be a consultant, full-time desktop support technician, or IT generalist who administers Windows 10-based computers and devices as a portion of their broader technical responsibilities. Additional skills addressed in this course: 1) Install and upgrade to Windows 10; 2) configure hardware and applications; 3) configure network connectivity; 4) configure access to resources; 5) configure remote access and mobility; 6) monitor and maintain Windows clients; 7) Configure backup and recovery options, 8) Configure mobile devices, etc.

Prerequisite: Windows Network & Server Fundamentals with a grade of "C" or better, or instructor permission

Course Level Objectives

Upon successful completion of this course, the student will be able to:

1. Identify, install, and configure current operating system. (PLO 1, 2, 4)
2. Create an image of installation and deploy that image across a network. (PLO 1, 2, 4)
3. Install, update, or troubleshoot a driver installation. (PLO 1, 2, 3, 4)
4. Create, manage, and implement disk volumes and partitions. (PLO 1, 2, 4)
5. Generate and configure IP addresses for client operating systems. (PLO 1, 2, 4)
6. Implement, configure, and troubleshoot wired and wireless networks. (PLO 1, 2, 3, 4, 5, 7)
7. Configure all options in the Control Panel. (PLO 1, 2, 3, 4)
8. Configure basic options for mobile devices including VPN access to networks. (PLO 1, 2, 3, 4)
9. Implement and configure mobile device security. (PLO 1, 2, 3, 4, 6)
10. Demonstrate numerous system monitoring and performance tasks. (PLO 1, 2, 3, 4)
11. Implement and configure Windows backup and restore operations. (PLO 1, 2, 3, 4)

Next Course in Sequence: CIS 2613, Server I

CIS 2413 - Network Design

3 Credits This course is the capstone course for the Computer Networking degree. This course will assign students current real world projects in network design that will include researching the best methods, writing a paper proposing and describing in detail the design approach, and implementing the design in the classroom with servers, network switches, and routers. At the end of the semester, the students will give an oral presentation demonstrating and defending their design to a panel of their students and teacher.

Prerequisite: CIS 2623 Server II

Course Level Objectives

Upon successful completion of this course, the student will be able to:

1. Present and defend an original design concept. (PLO 1, 3, 4, 5, 6, 7)
2. Research and determine the best network implementation process (PLO 3, 4)

3. Plan and document a network design implementation (PLO 3, 4, 5, 6)
4. Calculate and write cost estimates (PLO 1, 3, 4, 5, 6, 7)
5. Perform a network design implementation physically and virtually (PLO 1, 2, 3, 4)

CIS 2533 - Data Structures and Algorithms

3 Credits The content covers data abstraction, various structures for data representation including lists, stacks, queues, trees, and graphs, and associated operations. It also covers searching and sorting algorithms, hash tables, and their algorithmic analyses.

Prerequisite: CIS 1043 Computer Science II

Course Level Objectives

Upon successful completion of this course, the student will be able to:

1. Explain the need and use of abstract data types. (PLO 1, 2)
2. Demonstrate OOP concepts by developing a fully functional class. (PLO 1, 2)
3. Apply pointers in managing data. (PLO 1, 2)
4. Write an ADT-Linked List. (PLO 1, 2)
5. Write an ADT-Stack and Queue. (PLO 1, 2)
6. Employ recursion to solve a programming problem. (PLO 1, 2)
7. Construct and manipulate Binary and Multiway Trees. (PLO 1, 2)
8. Write and compare multiple sort algorithms. (PLO 1, 2)
9. Design and complete multiple projects. (PLO 1, 2)
10. Design and complete a final project. (PLO 1, 2)

CIS 2543 - Assembler and Machine Organization

3 Credits This course investigates the architecture and instruction set of a typical microcomputer based on the Intel 80x86 microprocessors. Topics include the basic structure of computers, the internal behavior of computers, program design, testing, debugging, machine architecture, addressing, BCD and binary arithmetic, subroutines and parameter passing, stacks, text processing, bit manipulation, DOS functions, macros, I/O routines, high level language interfaces and the assembly process.

Prerequisite: CIS 2553 Computer Architecture

Course Level Objectives

Upon successful completion of this course the student will be able to:

1. Explain the nature and purpose of Assembly Language (AL) (PLO 1, 2).
2. Describe the architecture of the x86 processor (PLO 1, 2).
3. Use the required tools to create and run a simple AL program (PLO 1, 2).
4. Illustrate techniques for addressing and moving data within the processor (PLO 1, 2).
5. Use external libraries to enhance AL code (PLO 1, 2).
6. Write procedures to improve the AL program (PLO 1, 2).
7. Illustrate the use of conditional programming in AL (PLO 1, 2).
8. Demonstrate techniques used for perform arithmetic in AL code (PLO 1, 2).
9. Explain how the stack is used to track program execution (PLO 1, 2).
10. Manipulate strings and arrays in AL code (PLO 1, 2).
11. Use macros and structures in AL code (PLO 1, 2).
12. Use conditional-assembly directives (PLO 1, 2).

13. Produce an AL program to interact with Windows OS (PLO 1, 2).
14. Demonstrate techniques used for Floating Point math in AL code (PLO 1, 2).
15. Show techniques to implement AL code in HLL code (PLO 1, 2).
16. Perform IO operations in AL code (PLO 1, 2).

CIS 2553 - Computer Architecture

3 Credits This course is the study of the organization and architecture of computer systems hardware; instruction set architectures; addressing modes; register transfer notation; processor design and computer arithmetic; memory systems; hardware implementations of virtual memory, and input/output control and devices.

Prerequisite: CIS 1043 Computer Science II

Course Level Objectives

Upon successful completion of this course, the student will be able to:

1. Explain the technologies used to construct a modern processor. (PLO 1, 2)
2. Discuss processor organization, performance and specifications. (PLO 1, 2)
3. Demonstrate the methods of programming and manipulating data at the processor level. (PLO 1, 2)
4. Compare and illustrate techniques for performing mathematical calculations. (PLO 1, 2)
5. Describe in detail the major components of the processor including the ALU, data path, clock, etc. (PLO 1, 2)
6. Discuss the purpose and implementation of cache memory and its uses. (PLO 1, 2)
7. Show the use and advantage of parallel processing. (PLO 1, 2)
8. Complete several design projects. (PLO 1, 2)

CIS 2613 - Server I

3 Credits This course is part one of a two-part series that provides the student with the skills and knowledge necessary to implement the latest core Windows Server infrastructure in an existing enterprise environment. The two courses collectively cover implementing, managing, maintaining and provisioning services and infrastructure in a Windows Server environment. While there is some crossover in skills and tasks across the courses, this course primarily covers the initial implementation and configuration of core services including Active Directory Domain Services (AD DS), networking services, and Microsoft Hyper-V Server configuration.

Prerequisite: CIS 2183 Windows Client OS

Corequisite: CIS 2663 Routing & Switching

Course Level Objectives

Upon successful completion of this course the student will be able to:

1. Demonstrate installation and configuration latest Windows Server Operating System Add roles or features to latest Windows Server Operating System (PLO 1, 2, 3, 4).
2. Describe Active Directory Domain Services (PLO 1, 4, 5).
3. Manipulate Active Directory objects (PLO 1, 2, 4).
4. Generate automated Active Directory administration (PLO 1, 2, 3, 4).
5. Implement IPv4 networking architecture (PLO 1, 2, 4).
6. Implement Dynamic Host Configuration Protocol (DHCP) (PLO 1, 2, 4).
7. Create a Domain Name System (DNS) server (PLO 1, 2, 4).
8. Understand use of IPv6 networking architecture (PLO 1, 2, 4).

9. Implement local storage (PLO 1, 2, 3, 4).
10. Create network shares for files and printers (PLO 1, 2, 3, 4).
11. Create and edit Group Policy (PLO 1, 2, 3, 4, 5, 6, 7).
12. Use Group Policy Objects (GPOs) to secure Windows servers (PLO 1, 2, 4).
13. Employ server virtualization using Hyper-V (PLO 1, 2, 3, 4).

CIS 2623 - Server II

3 Credits This course, part two of a two-part series, prepares the student with the skills and knowledge necessary to implement the latest core Windows Server Infrastructure in an existing enterprise environment. This course primarily covers the administration tasks necessary to maintain a Windows Server Infrastructure with the core server roles for creating a network domain.

Prerequisite: CIS 2613 - Server I

Corequisite: Routing & Switching

Course Level Objectives

Upon successful completion of this course the student will be able to:

1. Demonstrate deployment process and maintenance of server images (PLO 1, 2, 3, 4).
2. Create DNS server, edit DNS records, and troubleshoot DNS (PLO 1, 2, 4).
3. Maintain Active Directory Domain Services (AD DS) (PLO 1, 2, 4).
4. Manage user and service accounts (PLO 1, 2, 4).
5. Employ a group policy infrastructure (PLO 1, 4, 6).
6. Manage user desktops with group policy (PLO 1, 3, 4, 6, 7).
7. Employ and troubleshoot remote access (PLO 1, 2, 3, 4).
8. Demonstrate the installation, configuration, and troubleshooting process of the Network Policy Server (NPS) role (PLO 1, 2, 3, 4).
9. Employ Network Access Protection (NAP) (PLO 1, 2, 4).
10. Change and optimize file services (PLO 1, 2, 3, 4).
11. Create and configure encryption and advanced auditing (PLO 1, 2, 3, 4).
12. Employ Update Management (PLO 1, 2, 3, 4).
13. Develop methods to monitor Windows Server 2016 (PLO 1, 2, 3, 4).
14. Demonstrate server administrator competence by means of Microsoft certification (PLO 1, 3, 4, 5, 6, 7).

CIS 2663 - Routing & Switching

3 Credits This course teaches beginning, intermediate, and advanced configuration techniques for large enterprise level Cisco routers and switches. Students will receive hands-on training setting up, configuring, and implementing layer 2 and layer 3 switches, and routers along with virtualized servers and clients to create a network infrastructure. They will learn all switch and router configuration commands using console cable and telnet connections. Some of the configurations will include, static routes, VLANs, trunking, OSPF, and NAT all working together to create fully functional network infrastructures suitable for large metropolitan area networks.

Prerequisite: CIS 1613 Network Pro, CIS 1623 Security Pro

Corequisite: CIS 2613 Server I, CIS 2623 Server II

Course Level Objectives

Upon successful completion of this course the student will be able to:

1. Install and configure Windows Server. (PLO 1, 2, 3, 4)
2. Add any role or feature to Windows Server. (PLO 1, 2, 3, 4)
3. Install and configure layer 3 Cisco switches. (PLO 1, 2, 3, 4, 5, 7)
4. Install and configure enterprise Cisco routers. (PLO 1, 2, 3, 4, 5, 7)
5. Implement ipv4 in an enterprise network. (PLO 1, 2, 3, 4)
6. Implement Dynamic Host Configuration Protocol (DHCP) in an enterprise network. (PLO 1, 2, 3, 4, 5)
7. Implement Domain Name System (DNS) in an enterprise network. (PLO 1, 2, 3, 4, 6)
8. Implement layer 2 switching and layer 3 routing. (PLO 1, 2, 3, 4, 5)
9. Implement OSPF routing. (PLO 1, 2, 3, 4, 5)
10. Implement spanning tree protocols. (PLO 1, 2, 3, 4)

CIS 2663 - Routing & Switching

3 Credits This course teaches beginning, intermediate, and advanced configuration techniques for large enterprise level Cisco routers and switches. Students will receive hands-on training setting up, configuring, and implementing layer 2 and layer 3 switches, and routers along with virtualized servers and clients to create a network infrastructure. They will learn all switch and router configuration commands using console cable and telnet connections. Some of the configurations will include, static routes, VLANs, trunking, OSPF, and NAT all working together to create fully functional network infrastructures suitable for large metropolitan area networks.

Prerequisite: CIS 1613 Network Pro, CIS 1623 Security Pro

Corequisite: CIS 2613 Server I, CIS 2623 Server II

Course Level Objectives

Upon successful completion of this course the student will be able to:

1. Install and configure Windows Server. (PLO 1, 2, 3, 4)
2. Add any role or feature to Windows Server. (PLO 1, 2, 3, 4)
3. Install and configure layer 3 Cisco switches. (PLO 1, 2, 3, 4, 5, 7)
4. Install and configure enterprise Cisco routers. (PLO 1, 2, 3, 4, 5, 7)
5. Implement ipv4 in an enterprise network. (PLO 1, 2, 3, 4)
6. Implement Dynamic Host Configuration Protocol (DHCP) in an enterprise network. (PLO 1, 2, 3, 4, 5)
7. Implement Domain Name System (DNS) in an enterprise network. (PLO 1, 2, 3, 4, 6)
8. Implement layer 2 switching and layer 3 routing. (PLO 1, 2, 3, 4, 5)
9. Implement OSPF routing. (PLO 1, 2, 3, 4, 5)
10. Implement spanning tree protocols. (PLO 1, 2, 3, 4)

CIS 2953 - Networking Internship

3 Credits The Internship is an opportunity to enhance and reinforce classroom instruction with on-the-job work experience. Appropriate training stations will be developed, and supervision will be provided by instructors and site personnel. Students are required to complete 135 clock hours of supervised experience during the term.

Prerequisite: Division Chair approval and minimum 2.0 GPA

Career Pathways

CDV 1100 - Pathways to Success

0 Credits This non-credit Career Pathways (CP) course is designed to assist Arkansas Career Pathways Initiative participants with the skills needed for success in both college academics and employment after graduation. Participants will complete: 1) a Kuder Career Planning program, 2) a job-ready resume and practice interviewing skills, 3) registration with the Arkansas Job Links, 4) a Career Readiness Certificate which gives students the basic workplace skills required for 21st century jobs.

Prerequisite: Admittance into ACPI program.

Criminal Justice

CRJ 1103 - Introduction To Criminal Justice*

3 Credits Critical analysis of the American criminal justice system and its constituent components of law enforcement, prosecution, judiciary and corrections as they function interdependently within a democratic society and its inherent political and social forces; comprehensive examination of the evolution of criminal law and the eternal search for justice within the diversified demands of a multi-cultural society.

Course Level Objectives

Upon successful completion of this course the student will be able to:

1. Utilize correct English spelling and grammar conventions as applicable in discussion posts, essays, reports, academic papers, oral presentations, and other submissions for grade in this course. (GEO 1)
2. Focusing on the 1st, 2nd, 4th, 5th, 6th, 8th, and 14th Amendments to the United States Constitution, evaluate the relationship of the Bill of Rights to specific cases or scenarios to determine probable and/or appropriate outcomes, then create policy statements or remedies to correct constitutional problems with cases. (GEO 2, 3)
3. Analyze historical developments for the three main components of the United States Criminal Justice System (Law Enforcement, Courts, and Corrections), then evaluate the functions, responsibilities, and effectiveness of each of these as they function as integral components of our politically-based, constitutionally democratic form of government. Students will also evaluate the relative effectiveness of specific guidelines within the U.S. system by comparing these to guidelines from other nations. (GEO 2, 3, 4)
4. Evaluate the formal and informal uses of discretion by criminal justice professionals, to determine guidelines for what responses are appropriate. (GEO 2, 3)
5. Evaluate specific landmark U.S. Supreme Court cases to determine their impact and applicability to current cases or scenarios, and how the courts have justified their decisions based on our constitutional guarantees. (GEO 2,3)

ACTS Equivalent Course Number: CRJU 1023

Next Course in Sequence: Any CRJ course in the program

CRJ 1123 - Criminal Procedures And Evidence

3 Credits Focus on the criminal process, legal problems associated with investigation of crime, acquisition and preservation of evidence, commencement of a criminal proceeding, prosecution and defense of charges, sentencing, and appeal. Principal concern is with development of existing procedures and examination of current efforts for reform.

Pre or Corequisite: CRJ 1103 - Introduction To Criminal Justice*

Course Level Objectives

Upon successful completion of this course the student will be able to:

1. Utilize correct English spelling and grammar conventions as applicable in discussion posts, essays, reports, academic papers, oral presentations, and other submissions. (PLO 1)
2. Analyze the U.S. court systems to critically evaluate criminal prosecution scenarios to determine which court would be best suited to hear a particular case. (PLO 1)
3. Analyze rights of U.S. citizens to determine the rights that were originally enumerated, and others that have evolved through case law, then evaluate scenarios to determine whether enforcement actions are appropriate and/or constitutional. (PLO 2, 3)
4. Evaluate cases and/or scenarios to determine whether probable cause or reasonable suspicion exists to determine the appropriate response (observation, stop, arrest, frisk, search, etc.) supported by the level of proof provided in the scenario, citing landmark appellate court cases to support their determination. (PLO 7)
5. Analyze the application of the exclusionary rule (and its exceptions) to search and seizure in provided cases and/or scenarios, to correctly determine whether evidence should be admissible, citing the correct U.S. Constitutional Amendments or landmark U.S. Supreme Court cases to support such determination. (PLO 7)
6. Evaluate lineups and other means of pre-trial identification to determine what identifications should be admissible in court cases to create rules to guide enforcement personnel in obtaining appropriate and valid identification of suspects. (PLO 3, 7)
7. Analyze cases and scenarios to identify both constitutional concerns and case law guidelines for admissions and confessions, evaluate cases and scenarios to determine the admissibility of confessions, citing U.S. Supreme Court cases to support such conclusions. (PLO 3, 7)
8. Analyze and evaluate scenarios concerning the constitutional rights of the accused during trial, to determine whether a suspect's rights were violated, citing landmark U.S. Supreme Court cases to support their conclusions, and determining the probable outcome of the scenario. (PLO 7)
9. Evaluate the consequences of police misconduct, analyze U.S. and global responses to improper police activity, and create policy guidelines to improve police accountability and correct misconduct (PLO 3, 4, 5, 6)

Next Course in Sequence: Any CRJ course in the program

CRJ 1133 - Legal Systems & Terminology

3 Credits This course includes an overview of the legal system as well as the roles, functions, and duties of members of the legal system. The student will be expected to spell, define, and properly pronounce law-related words and phrases.

Course Level Objectives

Upon successful completion of this course, the student will be able to:

1. Evaluate the differences between criminal and civil trial procedures. (PLO 1, 2, 6)
2. Analyze criminal statutes to identify the elements of specific crimes. (PLO 1, 5, 6)
3. Evaluate differences between criminal statutes and torts. (PLO 1, 6)
4. Analyze the required elements of legal contracts. (PLO 1, 6)
5. Analyze the elements of real property acquisition. (PLO 1, 6)
6. Evaluate types of family law, including common law marriage and divorce. (PLO 1, 6)

7. Analyze the elements of bankruptcy law. (PLO 1, 6)

Next Course in Sequence: Any Criminal Justice Course not previously taken

CRJ 2112 - Crime Scene Documentation

2 Credits Provides students with a thorough understanding of the written reports and other media required to document crime scenes, maintain a chain of custody for the evidence, and satisfy judicial admissibility requirements. This course presents the use of still photography, videography, emerging technologies and written reports used to document crime scenes. Lab fee

Prerequisite: CRJ 2114 Criminalistics

Course Level Objectives

Upon successful completion of this course, the student will be able to:

1. Utilize correct English spelling and grammar conventions as applicable in discussion posts, essays, reports, academic papers, oral presentations, and other submissions for grade in this course. (PLO 1, 2)
2. Create and execute plans for processing mock crime scenes, by locating, processing, collecting, and packaging for submission items of evidence, documenting the scene, items, and activities with digital photography, logs, and diagrams, using the skills and concepts developed in CRJ 2114- Criminalistics. (PLO 1, 6, 7)
3. Identify, collect, preserve, package, annotate and submit serological evidence from mock crime scenes. (PLO 1, 6, 7)
4. Create note sheets while processing mock crime scenes that support subsequent logs, diagrams, and reports submitted for the scene. (PLO 1, 6, 7)
5. Create investigative supplemental narrative reports documenting the processing of mock crime scenes, including a photographer's supplement, a documentation specialist's supplement, and a collector's supplement, using first person, active voice, chronological narratives. (PLO 1, 6)
6. Create and execute plans for locating, identifying, processing, collecting, packaging, annotating, and submitting drug evidence from mock crime scenes. (PLO 1, 4, 6, 7)
7. Evaluate global differences in the way crime scenes are processed, to determine areas where local forensic technicians should change techniques to achieve better results. (PLO 1, 7)

Next Course in Sequence: Any Criminal Justice Course not previously taken

CRJ 2114 - Criminalistics

4 Credits An Introduction to Forensic Science through the identification, collection, analysis, and reporting of forensic evidence and through the development of practical skills in crime scene techniques, concerning types of evidence including fingerprints, impressions, hair, fiber, trace, firearm, tooth mark, biological, accelerants, explosives and drugs.

Lab fee

Pre or Corequisite: CRJ 1103 Introduction To Criminal Justice*

Course Level Objectives

Upon successful completion of this course, the student will be able to:

1. Utilize correct English spelling and grammar conventions as applicable in discussion posts, essays, reports, academic papers, oral presentations, and other submissions for grade in this course. (PLO 1, 2)
2. Analyze the basic concepts and theories in the field of forensics to create a timeline of the evolution of forensic science, including Orfila, Galton, Goddard, and Locard as major contributors, then evaluate their major contributions to determine who made the single most important discovery or advance in the field. (PLO 1, 2, 3)
3. Demonstrate proficiency with the Canon T3i Rebel DSLR camera, by correctly setting f-stop/aperture, shutter speed, and ISO sensitivity to obtain evidentiary quality digital photographs. Students will use automatic exposure bracketing (AEB) on close-up photographs to ensure that different versions of exposure are present for each item photographed. (PLO 1, 6)
4. Document activities and scenes correctly with digital photography, using checklists, notes, and photography log sheets to ensure that id slides, overview photos, and individual evidence item photo sets are included, then submit logs and photo cards for grading and evaluation. (PLO 1, 6, 7)
5. Create and submit classifiable rolled ink impressions of live human subjects in classroom exercises and practical exams. (PLO 1, 6)
6. Create evidentiary packages for storage and/or submission to laboratories, guarding against cross-contamination through seals and the use of breathable packaging, safeguarding firearms, biohazard, or sharp items prior to sealing the package, correctly annotating the package, and submitting the item(s) for grading and evaluation, using an evidence log to document the chain of custody for the item(s). (PLO 1, 6)
7. Develop latent and/or patent fingerprint evidence using powder, magnetic powder, and chemical processing techniques including the use of ninhydrin, small particle reagent, and ethyl cyanoacrylate, evaluate the processed fingerprints, then collect, annotate, and submit fingerprint evidence. (PLO 1, 6)
8. Create search plans based on scenarios detailing incident details, area (scope) of search, and types of evidence to be obtained, then conduct searches based on the plans to locate, identify, collect, and document via evidence log the artifacts or items of evidence present on a physical scene. (PLO 1, 6)
9. Create crime scene diagrams, using both triangulation and double baseline methods, that accurately document the physical location of furnishings, fixtures, and evidence within a physical scene. (PLO 1, 6)
10. Create guidelines for first responders, investigators, and crime scene technicians that cover the primary responsibilities and duties expected for personnel dispatched to a crime scene. (PLO 1, 4, 6)
11. Create casting impressions of footprints and/or tire tracks left in a mock crime scene. (PLO 1, 6)
12. Analyze blood spatter evidence to correctly determine the type of discharge, the type of instrument used to create the pattern, and determine the angle the blood was traveling upon impact to locate the corresponding point of origin. (PLO 1, 6)

Required and Recommended

Next Course in Sequence: CRJ 2112, Crime Scene Documentation

CRJ 2153 - Criminology

3 Credits An interdisciplinary course which examines the nature and origins of criminal behavior and societal reactions to that behavior. Included are biological, psychological and sociological theories of criminal behavior; formal responses of societal control agencies, and informal responses of communities, groups, and individuals in society. Also included are current research and trends in crime control policies and programs.

Pre or Corequisite: CRJ 1103 - Introduction To Criminal Justice*

Course Level Objectives

Upon successful completion of this course, the student will be able to:

1. Utilize correct English spelling and grammar conventions as applicable in discussion posts, essays, reports, academic papers, oral presentations, and other submissions for grade in this course. (PLO 1, 2)
2. Analyze competing theories that attempt to explain the causes of criminal behavior to evaluate their application to major sources of data on crime trends and patterns, to determine which theories accurately explain crime in our society. (PLO 3, 5, 6)
3. Evaluate the historical evolution of criminology, by analyzing biological, sociological and psychological theory relating to different historical periods in our society, to determine the areas where these theories should be applied or accepted, and those areas where a particular theory has been shown to be invalid. (PLO 3, 5, 6)
4. Analyze how social context impacts thought concerning crime and its causes, and how it affects our responses to criminal behavior, by evaluating different cultural views of crime, and how those differing views dictate a wide disparity in how different cultures or societies respond to criminal behavior. (PLO 3, 5, 6)
5. Evaluate the generally accepted definitions and descriptions of psychopathy to determine if the concept is valid or is outdated considering current psychological and sociological guidelines. Students will expand the Diagnostic and Statistical Manual of Mental Disorders' definition of Antisocial Personality Disorder to determine differences, if any, between white collar psychopaths, sociopaths and criminal psychopaths. (PLO 3, 5, 6)
6. Evaluate mass murder incidents in schools, workplaces, and other settings by analyzing current research on these incidents, to determine appropriate societal responses to mass murder. (PLO 3, 5, 6)
7. Create a capstone research report or book report on an assigned topic or text focusing on identification of and suggested responses to psychopaths, evaluating the suggestions to determine which would work best in our society. (PLO 1, 2, 3, 4, 5, 6, 7)

Next Course in Sequence: Any CRJ course in the program

CRJ 2223 - Police Community Relations

3 Credits Historical examination of the evolution of police work from the ancient to the modern, and the accompanying struggle of police agents and agencies to discover the right mix of enforcement and service. Focus is on contemporary movements from traditional, reactive police work to community-oriented, proactive models where citizens and police form partnerships to solve neighborhood social problems that generate disorder, fear and crime.

Pre or Corequisite: CRJ 1103 - Introduction To Criminal Justice*

Course Level Objectives

Upon successful completion of this course, the student will be able to:

1. Utilize correct English spelling and grammar conventions as applicable in discussion posts, essays, reports, academic papers, oral presentations, and other submissions. (PLO 1,2,6)
2. Evaluate the evolution of police philosophy and methodology through four historical periods, culminating in the development of modern Community Policing practices, to determine the most appropriate police responses to the needs of a community. (PLO 1,3,5)
3. Evaluate the primary tenets of Community Policing to correctly determine the major shift in focus and three areas of emphasis needed to implement this philosophy. (PLO 1, 3,4)

4. Create a plan to implement transition from a traditional police agency to a community policing agency, covering changes in staffing, organization, training, and outreach efforts, including a chart/timeline showing the periods for each change. (PLO 1,3,4,6)

Next Course in Sequence: Any CRJ course in the program

CRJ 2243 - Police Organization And Management

3 Credits Study of principles and theories of organization, management and administration as applied to law enforcement agencies operating within the political climate of democratic government; includes evolution of theory and practice in management styles, leadership, organizational structure, policy, planning, productivity, technology, public personnel issues and public sector liability.

Pre or Corequisite: CRJ 1103 - Introduction To Criminal Justice*

Course Level Objectives

Upon successful completion of this course, the student will be able to:

1. Utilize correct English spelling and grammar conventions as applicable in discussion posts, essays, reports, academic papers, oral presentations, and other submissions for grade in this course. (PLO 1)
2. Analyze selected contemporary criminal justice management theories, evaluating these theories to determine which is most appropriate for provided scenarios or agencies, then create policy statements to implement the chosen theory. (PLO 3, 5)
3. Evaluate the way police agencies have traditionally been administered, and the changes occurring globally in the field, to determine the best organizational plan for a selected police agency. (PLO 3, 4, 5, 6)
4. Analyze the use of the scientific method and formal planning in the administration of law enforcement agencies to apply these concepts to problem scenarios to create solutions in the form of policy statements or strategic and tactical response plans, addressing anticipated limits to creative or innovate solutions. (PLO 3, 6, 7)
5. Evaluate the federal government's influences on local law enforcement administration through case law, regulation, and distribution of resources to determine what level of autonomy is appropriate for local agencies. (PLO 4, 6, 7)
6. Evaluate delegation and leadership techniques for law enforcement managers to determine how to increase efficiency and productivity. (PLO 4, 6, 7)
7. Create action plans for police managers to use in addressing the effects of stress in the police career field. (PLO 1, 2, 4, 6)
8. Evaluate the types and causes of problem officers, then create guidelines for police managers to use in identifying and responding to problem officers. (PLO 1, 3, 6)

CRJ 2253 - Criminal Law

3 Credits History and philosophy of modern criminal law, including structure, definition, and application of statutes and leading case law; elements of crimes; penalties and general provisions of the penal code.

Pre or Corequisite: CRJ 1103 - Introduction To Criminal Justice*

Course Level Objectives

Upon successful completion of this course, the student will be able to:

1. Utilize correct English spelling and grammar conventions as applicable in discussion posts, essays, reports, academic papers, oral presentations, and other submissions for grade in this course. (PLO 1,2)
2. Analyze the nature, purpose, and constitutional limits of criminal law, evaluating the evolution and application of criminal law to determine whether specific laws or cases should be upheld or ruled as invalid. (PLO 4,7)
3. Analyze the principles of criminal liability, then evaluate scenarios and cases to determine if defendants are criminally culpable. (PLO 4,7)
4. Evaluate the differences between inchoate and completed crimes to determine whether current societal responses to inchoate crimes are appropriate, both in the U.S. and in other nations. (PLO 3,4,5,7)
5. Analyze criminal defenses, including different types of justification and excuse defenses to evaluate cases and/or scenarios to determine which type of criminal defenses would be appropriate and/or effective. (PLO 3,6,7)
6. Analyze three major types of criminal activity (crime against persons, crime against property, crimes against public order) to evaluate societal responses to each type of crime, to determine how to best prioritize enforcement activities. (PLO 3,5,6,7)
7. Analyze diverse cultural perspectives, including viewpoints on when a person's life begins and ends, evaluating arguments to determine which laws or policies are most ethical and appropriate. (PLO 3,4,6,7)
8. Analyze artifacts or evidence in cases, problems, or scenarios, evaluating the probative value of evidence and the method by which it was obtained, to determine whether the evidence should be used, and whether it is enough to support a conviction. (PLO 3, 4, 7,)

Next Course in Sequence: Any CRJ course in the program

CRJ 2263 - Juvenile Justice And Delinquency

3 Credits Historical analysis of problems associated with juvenile delinquency and the evolution of a juvenile justice system apart from the adult criminal justice system; study of landmark court cases which have shaped the system's response to juvenile problems; dilemmas faced by criminal justice practitioners in deciding whether to apply juvenile or adult criteria in deciding cases involving young offenders.

Pre or Corequisite: CRJ 1103 - Introduction To Criminal Justice*

Course Level Objectives

Upon successful completion of this course, the student will be able to:

1. Utilize correct English spelling and grammar conventions as applicable in discussion posts, essays, reports, academic papers, oral presentations, and other submissions for grade in this course. (PLO 1, 2)
2. Complete the required Arkansas Mandated Reporter training course online, submitting certificates and signed statements of training to NPC Social Sciences Division. (PLO 1, 2, 4)
3. Analyze the evolution of a separate system for juvenile justice in the United States, and the techniques used to track juvenile crime to evaluate the current system by comparing juvenile crime trends from different time periods with changes in how we respond to juvenile crime. (PLO 1, 3, 4)
4. Evaluate competing theoretical perspectives that attempt to explain juvenile crime, to determine the relative impact of family, child abuse, peer groups, schools, and drug abuse as factors of delinquency. (PLO 1, 4, 5)

5. Evaluate the current system to determine appropriate roles for the police, courts, and other juvenile justice professionals. (PLO 1, 4, 6)
6. Evaluate selected landmark court cases impacting the juvenile justice system, to determine appropriate enforcement responses and create guidelines for officers dealing with juvenile delinquents. (PLO 1, 7)
7. Analyze differences between adult and juvenile justice systems, evaluating the problems and status of juvenile corrections, and determining career opportunities available in the juvenile justice field. (PLO 1, 4, 7)
8. Analyze current trends in delinquency, evaluating the issues of exploitation, street gangs, and increasing percentages of female offenders, to determine appropriate treatment programs for at-risk juveniles. (PLO 1, 3, 4, 5)

Next Course in Sequence: Any CRJ course in the program

CRJ 2273 - Introduction To Corrections

3 Credits History and evolution of theories and practices in penology and penal institutions; psychological and sociological profiles of the keepers and the kept; sentencing of offenders and unique problems associated with handling special categories of inmates: female, disabled, aged and those suffering from debilitating diseases. All students will participate in scheduled field trips to various correctional facilities.

Pre or Corequisite: CRJ 1103 - Introduction To Criminal Justice*

Course Level Objectives

Upon successful completion of this course, the student will be able to:

1. Utilize correct English spelling and grammar conventions as applicable in discussion posts, essays, reports, academic papers, oral presentations, and other submissions for grade in this course. (PLO 1, 2)
2. Evaluate the origins, history, and evolution of corrections in the United States, including competing viewpoints regarding the purpose of corrections, and two completely different judicial approaches to inmate management, to determine appropriate uses of incarceration, intermediate measures, probation, and parole (PLO 3, 4, 5, 6)
3. Evaluate corrections as an enterprise in modern society, analyze the growth of privatization of prison functions, and determine whether privatization is appropriate and/or desired. (PLO 3, 4, 6)
4. Analyze theories regarding the nature of inmate behavior; evaluate techniques used to control inmates to determine appropriate responses for correctional officers; analyze the creation of rules for agencies and officers to use in managing the inmate population. (PLO 3, 5, 6)
5. Evaluate ethical issues in corrections to determine how best to respond to capital punishment, cultural diversity, racial issues, and socio-economic diversity in global prison populations. (PLO 3, 5, 6)
6. Evaluate the laws associated with corrections, in both social and political contexts, to determine where law or policy needs change in order to better adapt to modern conditions; create proposals for new laws or policies to address these concerns; evaluate the growing number of special needs inmates shaping United States and global correctional systems. (PLO 3, 4, 6)

Next Course in Sequence: Any CRJ course in the program

CRJ 2283 - Criminal Justice Internship

3 Credits Criminal justice interns will be assigned to observe, record, and to the extent possible, participate in routine agency operations under supervision of agency officials. Written reports covering specific agency functions are submitted at regular intervals in accordance with a work-study plan, to be finalized with the submission of a formal work project paper as agreed upon by student and instructor.

Pre or Corequisite: CRJ 1103 - Introduction To Criminal Justice*. Instructor permission required.

Course Level Objectives

Upon successful completion of this course, the student will be able to:

1. Utilize correct English spelling and grammar conventions as applicable in discussion posts, essays, reports, academic papers, oral presentations, and other submissions. (PLO 1, 2)
2. Analyze the host agency's history and organization, including laws authorizing and establishing the agency. (PLO 3)
3. Analyze the host agency's purposes, goals, functions, and programs to evaluate how well the agency is meeting their goals, including major achievements and problems for the agency. (PLO 3)
4. Evaluate the agency's relationship to the community and the criminal justice system, to determine whether the agency is an asset to (or integral component of) those larger systems. (PLO 4)
5. Create an agency-certified record or listing of actual hours spent at the agency, with a minimum requirement of 45 hours on-site. (PLO 1, 2)

Next Course in Sequence: Any CRJ course in the program

Economics

ECON 2203 - Macroeconomics*

3 Credits Designed as the introductory course to basic economic concepts, tools, reasoning, and methods of analysis relating to the economizing problem and capitalism. The course concentrates on basic topics of the determinants of employment and prices; measuring national income; monetary and fiscal policy; and money and banking.

Course Level Objectives

Upon successful completion of this course, the student will be able to:

1. Discuss general economic theories-both historic and current-that influence national and trans-national economic analysis. (GEO 1, 3)
2. Describe the basic economic principles that govern aggregate supply and demand, cyclical economic changes, and monetary policies such as surpluses, deficits, and debts. (GEO 1, 3)
3. Identify the role of government institutions in managing national economies, including policies relating to banking, inflation, unemployment, accounting, and currency. (GEO 3, 4)
4. Analyze the economic principles that regulate global trade practice and markets, and how this trade impacts global poverty trends. (GEO 2, 3)

ACTS Equivalent Course Number: ECON 2103

ECON 2213 - Microeconomics*

3 Credits Continues Macroeconomics with emphasis on the microeconomic topics of theories of consumer behavior; cost and price; and production, consumption and distribution of goods between consumers,

producers, and resource suppliers in market models of pure competition and imperfectly competitive markets.

Course Level Objectives

Upon successful completion of this course, the student will be able to:

1. Demonstrate an understanding of general economic theories-both historic and current-that influence local and regional economic analysis. (GEO 1, 3)
2. Describe the basic economic principles that govern basic supply and demand, elasticity, and factors in production costs. (GEO 1, 3)
3. Identify the various market structures, including competitive markets, monopolies, and oligopolies. (GEO 3)
4. Discuss government regulatory policies regarding markets, environmental issues, and farm subsidies. (GEO 1, 3)
5. Explain Factor Markets and the role of labor, labor unions, and financial markets in the economic system. (GEO 1,3)
6. Describe patterns of wealth distribution in society from taxes, social program, etc. (GEO 1, 3)
7. Identify how global trade and international finance impacts local and regional economies. (GEO 2. 3, 4)

ACTS Equivalent Course Number: ECON 2203

Education

EDUC 2023 - Child Growth And Development

3 Credits This course is the study of environmental and hereditary effects on the cognitive, affective, psychomotor and sociolinguistic development of typically and atypically developing children from conception to middle childhood of diverse cultural backgrounds within and outside the United States. These students will be introduced to ways to observe and evaluate children's development and recognize possible delays in development. Practical application of theory is provided through a variety of hands-on experiences and observations.

Course Level Objectives

Upon successful completion of this course, the student will be able to:

1. Compare theories related to child development from conception to middle childhood (conception to age 8) (PLO 3,5)
2. Differentiate between the physical, cognitive, social/emotional and language characteristics of infants, toddlers, pre-school and school-age children (PLO 7)
3. Apply knowledge of children's growth to appropriate teaching strategies for children birth through middle childhood, including children with special needs (PLO 4,5)
4. Document observations of infants, toddlers, preschool, and school-age children (PLO 7)
5. Examine biological and environmental factors influencing child development from conception to middle childhood (PLO 7)
6. Connect research and knowledge with professional practice for children birth through middle childhood, including children with special needs (PLO 5, 7)
7. Analyze how culture, family and society influence growth and development from conception to middle childhood (PLO 3)

EDUC 2243 - Intro to Education

3 Credits Study of various educational policies, practices, and trends; learning objectives; the nature of teaching; professional ethics; history of education, and teacher liabilities. Thirty (30) hours of public school observation is required. Education methods courses for Arkansas State Teacher Certification will not be offered for special study credit in the Communication and Arts Division.

Prerequisite: ENG 1113 - English Composition I*.

Course Level Objectives

Upon successful completion of this course, the student will be able to:

1. Identify the attractions, challenges, knowledge, skills/abilities, as well as training and certification requirements of becoming a teacher. (PLO 1, 2, 5, 7)
2. Evaluate current educational strategies designed to provide equal educational opportunities to a student population with diverse needs. (PLO 5, 6, 7)
3. Analyze the historical, philosophical, and sociological foundations of schooling in the United States to understand their effect on current educational practices and issues. (PLO 3, 6)
4. Describe how education is governed, funded, and organized at the local, state, and federal levels. (PLO 3, 6)
5. Discuss the legal and ethical issues pertaining to the provision of education services to all K-12 students and to the teaching profession. (PLO 3)
6. Document a variety of current trends and issues that impact education today. (PLO 1, 4, 5)
7. Identify national, state, and local standards that guide curriculum decisions in public schools. (PLO 3, 5)
8. Examine characteristics of effective and ineffective schools and teachers. (PLO 6)
9. Complete educational field experience. (30 hours classroom observations.) (PLO 1,6, 7)

EDUC 2263 - Introduction To K-12 Technology

3 Credits The purpose of this course is to assist prospective teachers with understanding the role that various forms of electronic and digital technology play in the teaching/learning process and how they can engage these processes in the classroom. Students will become skilled in the use of common hardware, application software, and Web 2.0 tools being used in today's schools. In addition, they will be exposed to basic theories of technical communication and collaboration, as well as web-based research, selection, and evaluation. This course is designed as an active learning experience. Participation includes a hands-on approach to learning. Class participants will not only learn about using technology, but will be expected to demonstrate that knowledge in their presentations and projects.

Prerequisite: Basic computer skills or CIS 1023 Introduction to Computing* recommended.

Course Level Objectives

Upon successful completion of this course, the student will be able to:

1. Discuss the use of technology and media to ensure successful student learning in the 21st century. (PLO 1,4, 5)
2. Demonstrate proficiency selecting and using a variety of instructional technologies through project based activities. (PLO 4, 5, 7)
3. Explain the concepts and skills outlined in the National Educational Technology Standards for Teachers. (PLO 1, 5)

4. Demonstrate the appropriate methods for selecting, evaluating, and using various instructional technologies. (PLO 4, 5)
5. Discuss legal and ethical concerns related to use of technology. (PLO 3, 7)
6. Create instructional materials and complete assignments aligned with state (Arkansas Teacher Licensure and Pathwise), and technology (NETS for Teachers) standards. (PLO 4, 5, 6)
7. Explain the use of Web 2.0 resources and social media to facilitate learning. (PLO 1, 4)
8. Describe current research pertaining to the use of media and technology in instruction and its impact on learning. (PLO 4, 5, 7)
9. Discuss the significant role of technology in accommodating diverse learning styles: cultural, ethnic, gender, and age differences. (PLO 1, 4, 5)

EDUC 2283 - Foundations of Diverse Learners

3 Credits This course introduces the history of special education including the litigation and legislation, the characteristics of exceptionalities, modifications, and accommodations. Legal foundations and issues, special education terminologies, and professional roles will be explored. Course goals will be accomplished through the use of lecture, discussion, cooperative group work, and field experiences. This course is only required for students pursuing AS for Transfer to UCA BS in Elementary Education K-6. Spring Only

Prerequisite: EDUC 2023 Child Growth And Development

Course Level Objectives

Upon successful completion of this course, the student will be able to:

1. Discuss understanding of the historical foundation of Special Education. (PLO 1, 3)
2. Discuss a basic understanding of special education law that enables them to make legally defensible decisions regarding planning, instruction, and assessment of individuals with exceptionalities. (PLO 1, 3)
3. Identify the elements necessary for effective inclusive practices in school settings. (PLO 1, 6, 7)
4. Discuss characteristics and needs associated with exceptionalities typically seen in educational settings. (PLO 1, 2, 5)
5. Discuss how Response to Intervention serves as a viable identification option for students with exceptionalities. (PLO 1, 4, 6, 7)

Engineering

EGR 1122 - Intro to Engineering

2 Credits Introduction to engineering disciplines and their sub-fields, basic tools used in engineering practice, hands-on engineering projects. The course familiarizes students with field of engineering in general and the individual disciplines within engineering in particular. At the end of the course students are expected to be cognizant of the role of an engineer in society and are thus able to make an informed selection of a field within engineering as their major.

Prerequisite: Eligible for enrollment in MATH 1123 College Algebra or completion of LAD 9024 Foundations of College Math 2 with a grade of "C" or better, or two years of high school algebra and compliance with state/NPC test standards.

Course Level Objectives

Upon successful completion of this course, the student will be able to:

1. Collaborate effectively and professionally in team activities. (PLO 4)
2. Utilize effective oral and written communication skills. (PLO 4)
3. Apply appropriate engineering-specific knowledge to assess and solve problems. (PLO 1, 2, 3, 5)
4. Describe an engineering problem and relate that problem to everyday scenarios. (PLO 1)
5. Design and conduct engineering experiments using proper techniques, skills, and tools. (PLO 1, 2, 3, 5)

EGR 1143 - Engineering Graphics

3 Credits This course is a general study of graphics and the types of engineering drawings used in design. A foundation course in lettering, sketching, drafting standards, geometrical exercises, and orthographic projections. Introductory use of CAD software is an integral part of the course therefore students are required to have access to a computer. Students use one or more CAD software packages to draft and model various objects.

Prerequisite: Eligible for enrollment in MATH 1123 College Algebra or completion of LAD 9024 Foundations of College Math 2 with a grade of "C" or better, or two years of high school algebra and compliance with state/NPC test standards.

EGR 2003 - Computer Methods

3 Credits Familiarity with the numerical methods most widely used in engineering; solve engineering problems using available computing tools; develop your own programs and tools.

Prerequisite: MATH 2284 - Differential Equation

EGR 2104 - Electrical Circuits I

4 Credits Introduction to circuit variables, elements, and simple resistive circuits. Analysis techniques applied to resistive circuits. The concept of inductance, capacitance, and mutual inductance. The natural and step responses of RL, RC, and RLC circuits. A lab component will be included.

Prerequisite: MATH 2224 - Calculus II

Course Level Objectives

Upon successful completion of this course the student will be able to:

1. Apply knowledge of math (solving linear equations, matrix algebra, and calculus), science (concepts of charge, current, voltage, capacitance, energy, inductors, magnetic energy, etc.), and engineering (electrical engineering designs) in analyzing circuits. (PLO 1)
2. Utilize critical thinking to formulate decisions and problem solving based on reasoning and analysis. (PLO 1, 3)
3. Demonstrate the proper use of technology to supplement and enhance conceptual understanding, visualization, and inquiry. (PLO 5)
4. Synthesize information from a variety of sources to solve problems and interpret results. (PLO 1, 3, 5)
5. Determine voltages and currents in a DC circuit consisting of resistors, current sources, voltage sources, and dependent sources. (PLO 1, 5)
6. Determine Thevenin and Norton equivalent circuit of a DC circuit and find the maximum power output of a DC circuit. (PLO 1, 5)
7. Apply Kirchhoff's Laws to nodal and mesh analysis of a circuit. (PLO 1, 5)

8. Determine the transient response, the sinusoidal response and the power delivered and absorbed of a circuit consisting of RLC. (PLO 1, 5)
9. Recognize physical circuit elements in the lab and assemble a circuit from a schematic diagram. (PLO 1, 5)
10. Use fundamental electrical instruments, build circuits, analyze experimental data, and write experimental reports. (PLO 2, 4, 3, 5)

EGR 2113 - Engineering Materials

3 Credits A study of the chemical, physical, and electrical properties of materials using a fundamental atomistic approach. The materials of interest are: metals, polymers, ceramics and composites. The interactive relationship between structure, properties and processing of materials will be emphasized.

Prerequisite: MATH 2214 - Calculus I, PHYS 2114 - University Physics I, and CHEM 1204 - General Chemistry

Course Level Objectives

Upon successful completion of this course, the student will be able to:

1. Classify materials by properties and function. (PLO 1, 4, 5)
2. Apply the concepts of atomic and molecular structure to classify various materials. (PLO 1, 4, 5)
3. Define basic crystal structures and calculate their properties and dimensions. (PLO 1, 3, 4, 5)
4. Describe and explain the effects of imperfections in crystalline structure. (PLO 1, 3, 4, 5)
5. Describe diffusion in solids and calculate the effects of diffusion using Fick's 1st and 2nd laws. (PLO 1, 3, 4, 5)
6. Define stresses on materials and calculate the effects of stress on materials. (PLO 1, 3, 4, 5)
7. Describe the effects of fracture and fatigue on materials. (PLO 1, 3, 4, 5)
8. Define and quantify the effects of strain hardening and annealing of materials. (PLO 1, 3, 4, 5)
9. Apply the concepts of thermodynamics to understand the solidification of materials. (PLO 1, 4, 5)
10. Apply the Gibbs phase rule to draw and elucidate phase diagrams. (PLO 1, 4, 5)
11. Describe dispersion strengthening and draw eutectic phase diagrams. (PLO 1, 3, 4, 5)
12. Apply the expression of total free energy change to phase transformations and describe the associated kinetics. (PLO 1, 4, 5)
13. Define the classifications of different steels and describe the effects and properties of heat treatment of steels. (PLO 1, 3, 4, 5)

EGR 2123 - Statics

3 Credits This course will cover the principles of static equilibrium, analysis of structures, friction, center of gravity, moment of inertia, and the product of inertia.

Prerequisite: MATH 2214 - Calculus I, PHYS 2114 - University Physics I with a C or better

Course Level Objectives

Upon successful completion of this course, the student will be able to:

1. Apply correct processes for measurement and error. (PLO 1, 3, 5)
2. Solve problems in one, two, and three-dimensional statics. (PLO 1, 3, 5)
3. Explain expressions of particle statics, vectors, static equilibrium, and mechanics. (PLO 1, 3, 4, 5)
4. Visualize forces with Free Body Diagrams. (PLO 1, 3, 5)
5. Locate center of gravity and centroids. (PLO 1, 3, 5)
6. Explain conservation laws and solve problems of conservation of energy. (PLO 1, 3, 4, 5)

7. Explain friction laws, momentum, force, movements, and couples. (PLO 1, 3, 4, 5)
8. Calculate analysis of structures, and external and internal beam forces. (PLO 1, 4, 5)
9. Analyze trusses, frames, and machines. (PLO 1, 4, 5)
10. Solve problems of forces in a plane and space. (PLO 1, 4, 5)
11. Solve problems of equilibrium of rigid bodies. (PLO 1, 4, 5)
12. Solve problems of equivalent systems of forces. (PLO 1, 4, 5)
13. Utilize appropriate technology to accurately calculate and communicate information. (PLO 4, 5)

Next Course in Sequence: EGR 2213, Dynamics

EGR 2213 - Dynamics

3 Credits Dynamics readies pre-engineering students to solve issues related to force, motion, and the general laws of dynamics. Knowledge of physics and vector algebra is required.

Prerequisite: EGR 2123 Statics and MATH 2254 Calculus III*

Course Level Objectives

Upon successful completion of this course the student will be able to:

1. Describe the basic concepts of force, mass and acceleration, work and energy, and impulse and momentum. (PLO 1, 4)
2. Explain the geometry of the motion of particles and the plane motion of rigid bodies. (PLO 1, 4, 5)
3. Describe the kinematics of rigid bodies. (PLO 1, 4)
4. Solve problems that relate to motion, momentum, energy, and force. (PLO 1, 3, 5)
5. Utilize appropriate technology to accurately calculate and communicate information. (PLO 1, 3, 4, 5)

Emergency Medical Services - Paramedic

EMSP 1511 - ECG Interpretation

1 Credits This course covers the anatomy and physiology components of the cardiac system. There will be an emphasis on interpreting electrocardiograms.

Prerequisite: Current state of Arkansas EMT licensure and acceptance into the paramedic program.

Corequisite: EMSP 1512 Pharmacology I, EMSP 1515 Fundamentals of Paramedicine, EMSP 1522 Practicum I and EMSP 2402 Anatomy & Physiology

Course Level Objectives

Upon successful completion of this course the student will be able to:

1. Identify the structure and course of all divisions and subdivisions of the cardiac conduction system. (PLO 1)
2. Identify and describe how the heart's pace making areas control heart rate, and rhythm. (PLO 1)
3. Explain the physiological basis of conduction delay in the AV node. (PLO 1)
4. Identify key cardiac dysrhythmias given a 3 or 4-lead ECG rhythm strip. (PLO 1)
5. Describe how ECG wave forms are produced. (PLO 1)
6. Measure time duration of various ECG wave forms and complexes. (PLO 1)
7. Identify how heart rates and durations may be determined from ECG recordings. (PLO 1)

8. Identify the cardiac surfaces or areas represented by the ECG leads. (PLO 1)
9. Describe a systematic approach to the analysis and interpretation of cardiac arrhythmias. (PLO 1)
10. Demonstrate a working knowledge of various ECG lead systems. (PLO 1)

Next Course in Sequence: EMSP 1518 Advanced Paramedicine I, EMSP 1521 Pharmacology II, EMSP 1523 Practicum II

EMSP 1512 - Pharmacology I

2 Credits Addresses the basic principles of pharmacology, including the history of pharmacology; drug regulation, nomenclature, and classification; and pathophysiological principles of drug uptake, utilization, and elimination in the body. This course will also cover basic medical terminology.

Prerequisite: Current state of Arkansas EMT licensure and acceptance into the paramedic program.

Corequisite: EMSP 1511 ECG Interpretation, EMSP 1515 Fundamentals of Paramedicine, EMSP 1522 Practicum I and EMSP 2402 Anatomy & Physiology

Course Level Objectives

Upon successful completion of this course the student will be able to:

1. Differentiate among the chemical, generic (nonproprietary), and trade (proprietary) names of a drug. (PLO 1)
2. List the four main sources of drug products. (PLO 1)
3. Describe how drugs are classified. (PLO 1)
4. Differentiate among Schedule I, II, III, IV, and V substances. (PLO 1)
5. Discuss the Food and Drug Administration (FDA) approval process and the FDA classifications for newly approved drugs. (PLO 1)
6. Discuss special consideration in drug treatment with regard to pregnant, pediatric and geriatric patients. (PLO 1)
7. Discuss the paramedic's responsibilities and scope of practice pertinent to the administration of medications. (PLO 3)
8. List and describe general properties of drugs. (PLO 1)
9. List and differentiate routes of drug administration. (PLO 1)
10. Differentiate between enteral and parenteral routes of drug administration. (PLO 1)
11. Describe mechanisms of drug action. (PLO 1)
12. Describe the process called pharmacokinetics, pharmacodynamics, including theories of drug action, drug-response relationship, factors altering drug responses, predictable drug responses, iatrogenic drug responses, and unpredictable adverse drug responses. (PLO 1)
13. Discuss considerations for storing and securing medications. (PLO 1)
14. List the component of a drug profile by classification. (PLO 1)

Next Course in Sequence: EMSP 1512 Advanced Paramedicine I, EMSP 1521 Pharmacology II, EMSP 1523 Practicum II

EMSP 1515 - Fundamentals of Paramedicine

5 Credits This course is designed to prepare a person to care for the sick and injured at an advanced level of care. This course will include the study of the roles and responsibilities of a paramedic in the EMS system, professional communication as well as legal and ethical responsibilities of the provider. Topics related to anatomy and physiology, venous access and medication administration, airway management, medical

documentation, patient assessment will be discussed. All entry level skills required to attend clinical rotation will be included in this course.

Prerequisite: Current state of Arkansas EMT licensure and acceptance into the paramedic program.

Corequisite: EMSP 1511 ECG Interpretation, EMSP 1512 Pharmacology I, EMSP 1522 Practicum I and EMSP 2402 Anatomy & Physiology

4 Lecture / 1 Lab

Course Level Objectives

Upon successful completion of this course the student will be able to:

1. Discuss key tenets of professionalism and ethics and what makes one a professional. (PLO 3)
2. Describe what roles personal and therapeutic communication serves to our patient, peers, and members of the in-hospital medical team. (PLO 3)
3. Discuss the concept of a team and the role that each participant plays. (PLO 3)
4. Discuss the roles and responsibilities of a paramedic. (PLO 3)
5. Outline the value of life-long learning. (PLO 3)

Next Course in Sequence: EMSP 1518 Advanced Paramedicine I, EMSP 1521 Pharmacology II, EMSP 1523 Practicum II,

EMSP 1518 - Advanced Paramedicine I

8 Credits This course provides an in-depth study of medical conditions frequently encountered in the prehospital setting and is required for paramedic certification. Topics include appropriate interventions/treatments for disorders/diseases/injuries affecting the following systems: respiratory, cardiac, neurological, abdominal/gastrointestinal, endocrine, genitourinary, musculoskeletal, and immunological as well as toxicology, infectious diseases, diseases of the eyes, ears, nose and throat and psychiatric. Topics also include an overview of thoracic, abdominal, genitourinary, orthopedic, neurological, and multi-system trauma, soft tissue trauma of the head, neck, and face as well as environmental emergencies. Upon completion, students should be able to recognize, assess and manage the care of frequently encountered medical conditions based upon initial patient assessment.

Prerequisite: EMSP 1515 Fundamentals of Paramedicine, EMSP 1512 Pharmacology I, EMSP 1511 ECG Interpretation, EMSP 1522 Practicum I, EMSP 2402 Anatomy & Physiology

Corequisite: EMSP1521 Pharmacology II, EMSP 1523 Practicum II,
6 Lecture / 2 Lab

Course Level Objectives

Upon successful completion of this course, the student will be able to:

1. Explain the pathophysiology and symptomatology of frequently encountered medical conditions. (PLO 1, 2)
2. Summarize the prehospital treatment for frequently encountered medical conditions covered in the course. (PLO 1, 2)
3. Use the principles of growth and development to recognize the differing effects of medical conditions among age groups. (PLO 1, 3)

Next Course in Sequence: EMSP 1532.5, Advanced Paramedicine II

EMSP 1521 - Pharmacology II

1 Credits This course provides a continuation of the study of the properties, effects, and therapeutic value of the primary agents in the major drug categories. Upon completion, students should be able to place major drugs into correct therapeutic categories and identify indications, side effects, dosage and trade as well as generic names.

Prerequisite: EMSP 1515 Fundamentals of Paramedicine, EMSP 1512 Pharmacology I, EMSP 1511 ECG Interpretation, EMSP 1522 Practicum I, EMSP 2402 Anatomy & Physiology

Corequisite: EMSP1518 Advanced Paramedicine I, EMSP1523 Practicum II

Course Level Objectives

Upon successful completion of this course, the student will be able to:

1. Explain the most commonly used pharmacological agents utilized in the prehospital environment including a complete drug profile. (PLO 1)
2. Discuss the indications, dosage, route of administration and special considerations for medication administration in different age groups. (PLO 1, 3)
3. Demonstrate the ability to utilize proper calculations in all medication dosing and administration. (PLO 2)

EMSP 1522 - Practicum I

2 Credits Students will have supervised rotations through selected clinical hospital areas. Emphasis is placed on developing and improving skills which reinforce Didactic/Lab instruction.

Prerequisite: Current state of Arkansas EMT licensure and acceptance into the paramedic program.

Corequisite: EMSP 1511 ECG Interpretation, EMSP 1512 Pharmacology I, EMSP 1515 Fundamentals of Paramedicine and EMSP 2402 Anatomy & Physiology

Course Level Objectives

Upon successful completion of this course the student will be able to:

1. Perform patient assessment to clarify disease state. (PLO 2)
2. Perform intravenous line insertions. (PLO 2)
3. Perform placement and manage various devices used to maintain a patent airway. (PLO 2)
4. Recommend and administer drugs through all routes. (PLO 2)

Next Course in Sequence: EMSP 1518 Advanced Paramedicine I, EMSP 1521 Pharmacology II, EMSP 1523 Practicum II

EMSP 1523 - Practicum II

3 Credits Students will have supervised rotations through selected clinical hospital areas as well as field sites. Emphasis is placed on developing and improving skills which reinforce Didactic/Lab instruction.

Prerequisite: EMSP 1515 Fundamentals of Paramedicine, EMSP 1512 Pharmacology I, EMSP 1511 ECG Interpretation, EMSP 1522 Practicum I, EMSP 2402 Anatomy & Physiology

Corequisite: EMSP1518 Advanced Paramedicine I, EMSP1521 Pharmacology II

Course Level Objectives

Upon successful completion of this course, the student will be able to:

1. Demonstrate a comprehensive patient assessment on patients of various ages. (PLO 1, 2)
2. Demonstrate a comprehensive patient assessment on patients with a variety of medical complaints. (PLO 1, 2)
3. Formulate a treatment plan on patients with a variety of medical complaints. (PLO 2)
4. Implement a treatment plan on patients with a variety of medical complaints. (PLO 2, 3)
5. Demonstrate critical thinking and decision-making behaviors in decisions related to patient care that will maintain, promote, restore health, and alleviate suffering. (PLO 1, 2, 3)
6. Recognize legal and ethical situations in the provision of patient care. (PLO 3)
7. Employ techniques of documenting patient care that adhere to legal standards. (PLO 2, 3)
8. Exemplify professional behavior including but not limited to integrity, self-motivation, personal hygiene, self-confidence, communications, teamwork, respect, and patient advocacy. (PLO 3)
9. Apply principles of pharmacology in the safe administration and documentation of emergency medications. (PLO 1, 2)

EMSP 1524.5 - Practicum III

4.5 Credits

Students will have supervised rotations through selected field sites. Emphasis is placed on developing and improving skills which reinforce Didactic/Lab instruction.

NOTE: The course number in OASIS appears as EMSP-1525

Prerequisite: EMSP 1518 Advanced Paramedicine I, EMSP 1521 Pharmacology II, EMSP 1523 Practicum II

Corequisite: EMSP 1532.5 (1533) Advanced Paramedicine II

Course Level Objectives

Upon successful completion of this course the student will be able to:

1. Demonstrate a comprehensive patient assessment on patients of various ages and types. (PLO 2)
2. Integrate assessment findings with principles of epidemiology and pathophysiology to formulate a field impression in order to implement a treatment/disposition plan for an acutely injured patient. (PLO 1, 2)
3. Apply knowledge of operational roles and responsibilities to ensure patient, public and personnel safety. (PLO 1, 3)
4. Safely and effectively, perform all psychomotor skills within the scope of the Paramedic practice. (PLO 2, 3)

EMSP 1532.5 - Advanced Paramedicine II

2.5 Credits

This course provides an in-depth study of special patient populations encountered in the prehospital setting and is required for paramedic certification. Topics include appropriate interventions/treatments for disorders/diseases/injuries affecting the following systems: obstetrics, neonatal care, pediatric, geriatric and patients with special challenges. Topics also include information on operations in EMS including MCI, extrication, hazardous materials, terrorism, disaster response, crime scenes and transportation.

NOTE: The course number in OASIS appears as EMSP-1533

Prerequisite: EMSP 1518 Advanced Paramedicine I, EMSP 1521 Pharmacology II, EMSP 1523 Practicum II

Corequisite: EMSP1524.5 (1533) Practicum III

1 Hours Lecture, 1.5 Hours Lab

Course Level Objectives

Upon successful completion of this course the student will be able to:

1. Analyze injury patterns based upon epidemiology mechanism of injury, and patient risk factors. (PLO 1)
2. Predict injury severity based upon clinical examination findings, mechanism of injury and organ system affected. (PLO 1, 2)
3. Perform a rapid trauma assessment on a simulated critical trauma patient and a focused history and physical examination on a simulated stable trauma patient consistent with the current national standards for paramedics.(PLO 1,2,3)
4. Demonstrate proper advanced life support management of critical and stable trauma patients within the scope of practice of a paramedic. (PLO 1,2,3)
5. Apply knowledge of pathophysiology of hemorrhagic shock to simulated patient scenarios and the clinical condition of the patient. (PLO 1)
6. Demonstrate foundational knowledge of the pathophysiology, differential clinical findings and treatment guidelines of various internal and external injuries to the head, face, neck, chest, abdomen, back and extremities. (PLO 1, 2)
7. Demonstrate proper use of the medical incident command system when performing in any of the medical group officer roles (medical group supervisor, triage, treatment, staging, transport officers). (PLO 1, 3)
8. Describe the purpose and overall structure of the medical incident command system. (PLO 1)
9. Demonstrate knowledge and practice of personnel safety issues, crime scene awareness, transport considerations and need for additional expert resources on simulated routine EMS incidents and multiple casualty incidents. PLO 1, 2)

EMSP 2402 - Anatomy & Physiology

2 Credits Human Anatomy and Physiology from cellular structure to systems applications. There will be an emphasis on the normal human anatomy and physiology process. Lab Fee.

Prerequisite: Current state of Arkansas EMT licensure and acceptance into the paramedic program.

Corequisite: EMSP 1511 ECG Interpretation, EMSP 1512 Pharmacology I, EMSP 1515 Fundamentals of Paramedicine and EMSP 1522 Practicum I

Course Level Objectives

Upon successful completion of this course the student will be able to:

1. Describe how the human body is organized. (PLO 1)
2. Describe how the human body is supported and accomplishes movement. (PLO 1)
3. Explain how internal body systems are coordinated and controlled. (PLO 1)
4. Describe how circulation is maintained and controlled. (PLO 1)
5. Discuss the immune system and its relevance to health. (PLO 1)
6. Appreciate the importance of intake and output in health and disease. (PLO 1)
7. Describe how the body changes during pregnancy. (PLO 1)

Next Course in Sequence: EMSP 1518 Advanced Paramedicine I, EMSP 1521 Pharmacology II, EMSP 1523 Practicum II

Emergency Medical Technician

EMT 1376 - Emergency Medical Technician

6 Credits

The Emergency Medical Technician (EMT) program is designed to prepare the student for prehospital assessment and emergency care to the sick and injured. This course provides the knowledge and skills necessary to stabilize and safely transport patients ranging from non-emergency and routine medical transports to life threatening emergencies in the delivery of basic life support.

EMT is a physically demanding career that requires physical agility and dexterity skills. Students must pass with a "C" or higher to be eligible for the Certificate of Proficiency in Emergency Medical Technician. This course includes both didactic as well as practical hands on skills including a clinical rotation at a local hospital and field rotation at local EMS services.

Students who successfully complete the certificate of proficiency program will be prepared and eligible to take the National Registry of EMT exam and become licensed, in the state of Arkansas, at the entry level for EMS providers. Graduates may be eligible to obtain employment in local industry, EMS agencies, hospitals, clinics or at local volunteer fire departments/Rescue Teams. Emergency Medical Technicians are a critical link between the scene of an emergency and the health care system. Those wishing to work in the EMS field as a career are encouraged to obtain a technical certificate or AAS degree in paramedic science.

Prerequisite: Proof of Basic Life Support CPR certification, 18 years of age by the course end, no disabilities which would preclude participation in all aspects of the program, and no record of felony convictions. Proof of Basic Life Support certification, must be 18 years old, have a GED or high school diploma, have no physical handicaps which would preclude participation in all program aspects, and no record of felony convictions.

Course Level Objectives

Upon successful completion of this course, the student will be able to:

1. Collaborate with patients, families, significant others, and members of the healthcare team as appropriate in the provision of pre-hospital emergent care. (PLO 1)
2. Create a caring pre-hospital environment that achieves desired therapeutic outcomes. (PLO 2)
3. Record and report events and activities using verbal, written, and electronic formats reflecting current standards of practice for the EMT in the provision of pre-hospital emergent care. (PLO 3)
4. Employ critical thinking behaviors in emergent practice decisions when managing care of patients in the pre-hospital setting. (PLO 4)
5. Assist in the provision of safe, quality emergent care by effectively employing knowledge, skills, and attitudes. (PLO 5)
6. Demonstrates care reflecting attitudes, behaviors, and cultural competence consistent with the ethics and professionalism expected of Emergency Medical Technicians. (PLO 6)

English

ENG 1113 - English Composition I*

3 Credits Writing paragraphs and expository themes to give the student practice in communication.

Emphasizes good writing techniques and correct grammatical construction, enabling the student to think coherently, write clearly and effectively, and read more efficiently.

Prerequisite: Appropriate placement score or a grade of "C" or better in LAD 9113 - Integrated Reading and Writing

Course Level Objectives

Upon successful completion of this course, the student will be able to:

1. Recognize logical fallacies given a variety of rhetorical situations, purposes, and audiences. (GEO 2, 3)
2. Write effectively using generally accepted essay structure, paragraphing, tone, mechanics, syntax, grammar, and documentation. (GEO 1, 3)
3. Integrate original ideas with those of others. (GEO 1, 2, 3)
4. Collaborate effectively with peers to achieve stated outcomes. (GEO 1, 4)

ACTS Equivalent Course Number: ENGL 1013

Next Course in Sequence: ENG 1, English Composition II

ENG 1123 - English Composition II*

3 Credits Continuation of ENG 1113 - English Composition I*. Study of good writing and rhetorical style. Students develop research skills through writing a formal, documented paper.

Prerequisite: ENG 1113 - English Composition I* with a grade of "C" or better.

Course Level Objectives

Upon successful completion of this course, the student will be able to:

1. Recognize logical fallacies given a variety of rhetorical situations, purposes, and audiences. (GEO 2, 3)
2. Write effectively using generally accepted essay structure, paragraphing, tone, mechanics, syntax, grammar, and documentation. (GEO 1, 3)
3. Integrate original ideas with those of others. (GEO 2, 3)
4. Demonstrate research skills through the writing of a formal research paper. (GEO 1, 2, 3)
5. Collaborate effectively with peers to achieve stated outcomes. (GEO 1, 4)
6. Demonstrate knowledge of structure, paragraphing, tone, mechanics, syntax, grammar, and documentation. (GEO 1, 3, 4)

ACTS Equivalent Course Number: ENGL 1023

ENG 1133 - Technical Report Writing*

3 Credits Technical Report Writing is designed for students pursuing careers in technical and vocational fields. Technical papers include process analysis, description of a mechanism, definition, analysis by partition, comparison/contrast, cause/effect. Considerable research is expected for technical papers, articles, summaries, and a full research report, all of which are on topics related to the student's major. Use of visuals and technical paper layout are covered. Grammar, mechanics, usage are covered as needed.

Course Level Objectives

Upon successful completion of this course, the student will be able to:

1. Generate technical documents in a variety of formats including letters, memorandums, proposals, and reports. (GEO 1, 3)
2. Integrate visuals such as graphs, tables, charts, videos, and more into assignments. (GEO 1, 2, 3)
3. Utilize technology in the creation of technical documents. (GEO 1, 3)

ACTS Equivalent Course Number: ENGL 2023

ENG 2223 - American Literature I*

3 Credits Survey of American poetry, fiction, and essays from 1620 to 1865. Provides historical, biographical, and formal approaches to these works of American literature.

Prerequisite: ENG 1123 - English Composition II* with a grade of "C" or better

Course Level Objectives

Upon successful completion of this course the student will be able to:

1. Analyze and interpret works by representative American writers. (GEO 2, 3)
2. Critique various literary techniques, methods, and ideas. (GEO 2, 3)
3. Formulate how literature reflects culture and society. (GEO 2, 3, 4)
4. Write at least one interpretive paper. (GEO 1, 2, 3)
5. Compare works of major periods of American Literature with the characteristics of the periods. (GEO 1, 2, 3)

ACTS Equivalent Course Number: ENGL 2653

ENG 2233 - American Literature II*

3 Credits Survey of American poetry, fiction, essays, and drama from 1865 to the present. Provides historical, biographical, and formal approaches to these works of American literature.

Prerequisite: ENG 1123 - English Composition II* with a grade of "C" or better

Course Level Objectives

Upon successful completion of this course, the student will be able to:

1. Analyze and interpret works by representative American writers. (GEO 2, 3)
2. Critique various literary techniques, methods, and ideas. (GEO 2, 3)
3. Formulate how literature reflects culture and society. (GEO 2, 3, 4)
4. Write at least one interpretive paper. (GEO 1, 2, 3)
5. Compare works of major periods of American Literature with the characteristics of the periods. (GEO 1, 2, 3)

ACTS Equivalent Course Number: ENGL 2663

ENG 2273 - World Literature I*

3 Credits Survey of master works of literature of the world from the ancient period through the Renaissance.

Prerequisite: ENG 1123 - English Composition II* with a grade of "C" or better

Course Level Objectives

Upon successful completion of this course, the student will be able to:

1. Analyze significant cultural and societal developments in world civilization as it pertains to literature. (GEO 2, 3, 4)

2. Examine major texts of world literature in a specific time frame, including the study of literary techniques, forms, and ideas. (GEO 2, 3)
3. Implement textual examinations in the form of verbal and written arguments. (GEO 1, 2, 3)
4. Create specific analytical and research-based written assignments. (GEO 1, 2, 3)

ACTS Equivalent Course Number: ENGL 2113

Next Course in Sequence: ENG 2283, World Literature II*

ENG 2283 - World Literature II*

3 Credits Reading and discussion of master works of world literature from the seventeenth century to modern times.

Prerequisite: ENG 1123 - English Composition II* with a grade of "C" or better

Course Level Objectives

Upon successful completion of this course, the student will be able to:

1. Analyze significant cultural and societal developments in world civilization as it pertains to literature. (GEO 2, 3, 4)
2. Examine major texts of world literature in a specific time frame, including the study of literary techniques, forms, and ideas. (GEO 2, 3)
3. Implement textual examinations in the form of verbal and written arguments. (GEO 1, 2, 3)
4. Create specific analytical and research-based written assignments. (GEO 1, 2, 3)

ACTS Equivalent Course Number: ENGL 2

ENG 2393 - Creative Writing*

3 Credits Through a workshop format, students will generate creative writing projects in both prose and verse, learn techniques for critiquing their peers' work, read and analyze creative writing texts-such as short stories and poetry-and learn how to publish their work. Students will also complete a publication project.

Course Level Objectives

Upon successful completion of this course the student will be able to:

1. Generate creative writing projects in both prose and verse. (GEO 1, 3)
2. Use techniques, styles, and forms for imaginative writing. (GEO 3)
3. Collaborate constructively in a workshop environment. (GEO 1, 4)
4. Appraise structures and techniques used in published fiction and poetry. (GEO 2, 3)

ACTS Equivalent Course Number: ENGL 2013

LAD 9052 - Accelerated Learning Plan Writing

2 Credits This course is a study of writing strategies for essays. Students will learn sentence combining through coordination, subordination, and parallel structure. Basic essay format and various methods of essay development are studied. Based on a student's placement scores, this course is taken in conjunction with Composition I. Students must earn an 11.0 in Language on the Test of Adult Basic Education (TABE) to successfully complete the class.

Prerequisite: Appropriate placement score

Corequisite: ENG 1113 English Composition I*. Withdrawal from either class results in withdrawal from both classes.

Course Level Objectives

Upon successful completion of this course, the student will be able to:

1. Determine appropriate grammar and punctuation. (GEO 1, 3)
2. Recognize the differences between fact and opinion and between general and specific information. (GEO 2, 3)
3. Identify and define words to improve the academic vocabulary. (GEO 1)
4. Compose writing assignments using proper presentation format. (GEO 1, 3)
5. Develop college-level proficiency in language and writing skills. (GEO 1, 3, 4)

Next Course in Sequence: MATH 1, College Algebra or MATH 1213, Quantitative Literacy

LAD 9113 - Integrated Reading and Writing

3 Credits Integrated Reading and Writing seeks to ensure that students are prepared to undertake college-level study; to use knowledge in critical ways; to think, read, and write critically; and to master literacy skills for classes in all college subjects.

Prerequisite: Appropriate placement score

Course Level Objectives

Upon successful completion of this course, the student will be able to:

1. Assess and employ basic reading strategies. (GEO 3)
2. Formulate ideas and opinions based on readings. (GEO 1)
3. Compose coherent, unified, and well supported sentences, paragraphs, and essays. (GEO 2)
4. Improve vocabulary. (GEO 1, 4)
5. Write properly using the rules of grammar and punctuation. (GEO 1)

Next Course in Sequence: ENG 1113, English Composition I OR ENG 1113, English Composition I with LAD 9053, Accelerated Learning Plan Writing

Earth Sciences

ESCI 1104 - Earth Science*

4 Credits Provides the student with a survey of the earth, including concepts from geology, astronomy, meteorology, plate tectonics, and physical geography. Lab Fee.

Course Level Objectives

Upon successful completion of this course, the student will be able to:

1. Discuss the historical people, events, and technologies that have contributed to the discipline of Earth Science. (GEO 1, 3)

2. Recognize the major components in the study of the 4 areas of Earth Science: the solid earth, the hydrosphere, the atmosphere, and the biosphere. (GEO 3)
3. Recognize the scientific principles and methodologies utilized in the study of Earth Science. (GEO 3)
4. Identify the basic interactions of the physical world with humankind. (GEO 3)
5. Utilize the Scientific Method to properly perform laboratory experiments and apply this data to specific Earth Science questions. (GEO 2, 3)
6. Develop the ability to clearly communicate and write scientifically. (GEO 1, 3)
7. Apply appropriate general laboratory techniques by using small group collaboration. (GEO 4)

ACTS Equivalent Course Number: PHSC 1104

French Language

FREN 1103 - Beginning French I*

3 Credits First semester course in fundamentals of French: vocabulary, pronunciation, oral comprehension, grammar, and composition. Exercises in writing, listening and speaking. Some computer exercises.

Course Level Objectives

Upon successful completion of this course, the student will be able to:

1. Write using proper French spelling, phrases, and sentence structure. (GEO 1)
2. Speak using proper French pronunciation, phrasing, and sentence structure. (GEO 1, 3)
3. Engage in French conversations and written communication to describe daily activities, provide and obtain information, and express feelings and emotions including academic life, family, free time, your likes and dislikes, vacation, climate, geography. (GEO 2, 3)
4. Use the proper French verbs in the present tense. (GEO 3)
5. Discuss the important components of French -speaking cultures. (GEO 3, 4)

ACTS Equivalent Course Number: FREN 1013

Next Course in Sequence: FREN 1113, Beginning French II

FREN 1113 - Beginning French II*

3 Credits

Continuation of FREN 1103 - Beginning French I*. This is a course designed to continue the development of the four basic language skills in French: listening, speaking, reading, and writing. Emphasis is placed on basic to advanced vocabulary, grammatical structures, and cultural aspects of the language.

ACTS Equivalent Course Number = FREN 1023

Prerequisite: FREN 1103 - Beginning French I* or equivalent.

Course Level Objectives

Upon successful completion of this course, the student will be able to:

1. Demonstrate a basic understanding of French spelling, pronunciation, and elementary grammar rules. (GEO 1)

2. Engage in French language conversation and written communication in the French language to describe daily activities, provide and obtain information, and express feelings and emotions. (GEO 1, 2, 3)
3. Use proper French verbs in the past tense. (GEO 3)
4. Develop skills for understanding written and spoken French for academic life, family, free time, likes and dislikes, vacations, climate, and geography-in present, near future, and past tenses. (GEO 2, 3)
5. Demonstrate a basic knowledge of important components of French-speaking culture. (GEO 3, 4)

ACTS Equivalent Course Number: FREN 1023

Next Course in Sequence: FREN 2203, Intermediate French I

FREN 2203 - Intermediate French I*

3 Credits This course is designed to help the student develop an intermediate-level proficiency in the four skills of listening, speaking, reading, and writing. The instruction is communicatively oriented and emphasizes the everyday life and culture of French-speaking people

Prerequisite: FREN 1113 Beginning French II completed with a grade of "C" or better

Course Level Objectives

Upon successful completion of this course the student will be able to:

1. Engage in conversations and written communications in the French language using both formal language and idiomatic expressions. (GEO 1, 2, 3)
2. Engage in conversations and written communications in the present, past, and future tense, as well as be able to use the conditional and subjunctive moods. (GEO 1, 2, 3)
3. Respond to and initiate conversations and written communications in both academic and social settings. (GEO 1, 2, 3)
4. Demonstrate an ability to use regular and irregular verbs in all tenses. (GEO 3)
5. Utilize pronouns, relative clauses, and subjunctive and conditional moods in written and oral communication. (GEO 1, 3)
6. Read and discuss a French language novel and simple poetry. (GEO 1, 2, 3)
7. Watch and discuss digital media of spoken French and create spoken French media of their own. (GEO 2, 3)
8. Demonstrate an appreciation of the literature, architecture, art, music, and history of France. (GEO 3, 4)

ACTS Equivalent Course Number: FREN 2013

Geography

GEOG 1103 - Introduction To Geography*

3 Credits Presents the nature of geographic study; illustrates world conditions with emphasis on cultural and environmental issues; introduces map reading; and examines basic concepts.

Course Level Objectives

Upon successful completion of this course, the student will be able to:

1. Apply the specific tools used in recognizing, analyzing, and communicating geographic information. (GEO 3)
2. Differentiate the different types of geographic research and sub-fields of the discipline. (GEO 2, 3)
3. Identify the geographic realms of physical and human landscapes, including population, topography, climate, resources allocation, etc. (GEO 3)
4. Recognize how globalization is restructuring the world's geography through environmental changes, resource demand, and population patterns. (GEO 3, 4)
5. Discuss how geography as a discipline links the social, political, and cultural environments of human societies to the natural world. (GEO 1, 3, 4)
6. Demonstrate knowledge of the fundamental issues and debates current to the discipline of geography. (GEO 3, 4)

ACTS Equivalent Course Number: GEOG 1103

Geology

GEOL 1104 - Physical Geology*

4 Credits Introduces the student to the field of physical geology in general, such as the geologic environment, geologic processes shaping the surface of the earth, plate tectonics, crust, and the interior of the earth.

Lab Fee.

Course Level Objectives

Upon successful completion of this course, the student will be able to:

1. Discuss the historical people, events, and technologies that have contributed to the discipline of Physical Geology. (GEO 1, 3)
2. Classify the physical and chemical properties of common rocks and minerals. (GEO 3)
3. Identify the physical geologic features of the Earth's surface and interior. (GEO 3)
4. Recognize weathering and erosion patterns among different rock types and environments. (GEO 3)
5. Identify geological processes, such as volcanic activity, earthquakes, and plate boundary formation. (GEO 3)
6. Recognize the scientific principles and methodologies utilized in the study of Physical Geology, including the concept of Geologic Time. (GEO 3)
7. Identify the basic interactions of the geological world with humankind. (GEO 3)
8. Apply the Scientific Method to properly perform laboratory experiments, and apply this data to specific Physical Geology questions. (GEO 2, 3)
9. Communicate clearly using scientific terms and methods both orally and in writing. (GEO 2, 3)
10. Apply appropriate general laboratory techniques by using small group collaboration. (GEO 4)

ACTS Equivalent Course Number: GEOL 1114

Graphic Design

GRD 1013 - Intro to Graphic Design

3 Credits Introduces the creative processes, critical thought, and methodology specifically used in the creation of visual communications. Explores fundamental graphic design principles, techniques and materials. Students will gain exposure to the history of graphic design, typography, color theory, and methods of graphic design problem solving.

Course Level Objectives

Upon successful completion of this course the student will be able to:

1. Read, understand and communicate in the language of graphic design. (PLO 8)
2. Demonstrate basic use of graphic design principles. (PLO 3)
3. Develop techniques and methods of creative problem solving. (PLO 1)
4. Learn the historical importance of graphic design. (PLO 7)
5. Use simple graphic design tools and techniques such as typography, color, and composition. (PLO 1, 2, 3, 6)
6. Demonstrate an understanding of the graphic design process through class assignments. (PLO 1, 3, 5)

GRD 1103 - Advertising Design

3 Credits Introduces projects and issues involved in advertising design. Includes work on advertising projects in various media, such as newspaper, magazine, outdoor, and electronic media. Issues involving logo, branding and identity development will be addressed. Projects will include letterhead, business card, interior and exterior sign systems, copywriting, advertisement, brochures, and package design.

Prerequisite: GRD 1203 Publication Design, GRD 2023 Typography And Layout

Course Level Objectives

Upon successful completion of this course the student will be able to:

1. Recognize the role of the logo as the foundation of visual identity (PLO 7)
2. Apply a conceptual approach to logo development and design (PLO 1)
3. Create and design a visual identity based on a logo (PLO 1, 2, 5, 6)
4. Research methods in design thinking (PLO 1, 8)
5. Combine type and visuals to communicate a message to a specific audience (PLO 1, 2, 3)
6. Create a complete identity package for a business (PLO 1, 2, 3, 5)
7. Distinguish purposes of branding (PLO 8)

GRD 1203 - Publication Design

3 Credits Students will learn the production process through the use of print design projects. Issues involved in the process include everything from communication to project management. This course teaches students to prepare print publications for commercial printing including pre-press setup, color management and final deliverables. Projects are designed to build each student's portfolio and experience.

Prerequisite: ART 1513 Digital Skills, GRD 2023 Typography And Layout

Course Level Objectives

Upon successful completion of this course the student will be able to:

1. Demonstrate proficiency using industry-standard software to produce graphic design layouts that are print-ready digital files. (PLO 1, 2, 3, 5)
2. Define professional terminology for the graphic design and print industry. (PLO 8)

3. Identify and apply creative abilities to visually communicate ideas (PLO 8)
4. Demonstrate effective evaluation techniques, such as critiquing, to test and revise ideas and designs. (PLO 8)
5. Develop professional quality design concepts and layouts.(PLO 1, 2, 3, 5)

GRD 2023 - Typography And Layout

3 Credits This course focuses on beginning and intermediate problems in layout designs as well as effective use of type. Students begin focusing on the art of page design and idea development. Important techniques in this course are designing with type, idea development, thumbnailing, and concept construction. Concepts taught in the course include effective visual communication, creative thinking, and finding and creating references. This course addresses the diverse nature of typographical applications through hands-on projects, discussion, and presentations. Projects involve exercises such as logo and poster design. Lab Fee.

Prerequisite: ART 1103 Design I, ART 1513 Digital Skills

Course Level Objectives

Upon successful completion of this course, the student will be able to:

1. Show effective layout design by demonstrating the ability to control the reader's eye. (PLO 1, 2, 3, 5)
2. Demonstrate idea development through use of thumbnail sketching and mock-ups. (PLO 1, 6)
3. Experiment with typography and design principles in layout design. (PLO 1, 2, 3, 5)
4. Use understanding of type anatomy to create and modify typefaces. (PLO 1, 2)

GRD 2043 - Digital Illustration

3 Credits Introduces students to software applications used in the execution of various types of digital illustration. This course will provide students with advanced conceptual skills in computer illustration and digital imaging. Traditional and digital media will be examined for their unique illustration possibilities. Lab Fee.

Prerequisite: ART 1513 Digital Skills

Course Level Objectives

Upon successful completion of this course the student will be able to:

1. Demonstrate ability to use illustration software features and tools to create illustrations (PLO 1, 3, 5, 6)
2. Produce digital illustrations using scanned traditional media created images (PLO 1, 6)
3. Create mock-ups to prepare and plan creative project processes (PLO 1, 3, 5)
4. Understand the creative advantage in scanning hardcopy sketches or images prior to creative manipulation of digital tools (PLO 8)
5. Sketch and discuss concepts/design objectives (PLO 1)
6. Modify your designs based on evaluation and critique (PLO 1)

GRD 2083 - Interactive/Web Design

3 Credits Introduce basic website planning, content editing and creation using graphic arts techniques. Technical and aesthetic considerations concerning website design will be introduced. Screen-based color theory, web design aesthetics, use of graphic editors, and interface design are explored. Each student produces a computer-based, interactive project.

Course Level Objectives

Upon successful completion of this course the student will be able to:

1. Create an effective interactive design (PLO 1, 4)
2. Implement the theories of graphic design into practice (PLO 1, 3)
3. Develop skills in analyzing the usability of a web site (PLO 8)
4. Demonstrate ability to outline and discuss usability and user experience goals for designing an interactive product (PLO 8)
5. Produce simple prototypes of interactive products (PLO 1, 2, 3)
6. Learn the language of the web: HTML and CSS (PLO 8)
7. Prepare digital images for interactive projects (PLO 1, 3)

GRD 2313 - Motion Graphics

3 Credits Introduces students to the principles and elements of motion design through studio practice. Students will learn to design video effects and animated sequences. Learn to layer and composite video, add video effects to footage, sound, and design motion graphics like title sequences, lower thirds and text and logo animations.

Prerequisite: ART 1513 Digital Skills

Course Level Objectives

Upon successful completion of this course the student will be able to:

1. Develop a vocabulary and visual language for motion design (PLO 8)
2. Demonstrate an understanding of motion graphic design principles in applied practice (PLO 4)
3. Identify methods and processes for conceptualizing in time-based media (diagramming, storyboarding, key framing, etc.) (PLO 1, 6)
4. Demonstrate self-direction in ideation and design process (PLO 1)
5. Demonstrate ability to present one's work in a clear and professional manner (PLO 8)
6. Produce quality motion-based projects through class assignments (PLO 1, 2, 3, 4)
7. Comprehend and demonstrate various file formats and compression standards (PLO 1, 4)

GRD 2396 - Digital & Media Arts Capstone

6 Credits Prepares the advanced graphic design student to enter the profession by focusing on business practices such as portfolio, preparation, starting a design business, successful freelancing and pricing, strategies for landing design jobs, professional relationships fees and contracts, managing large projects, copyright, trademark and ethical issues. Students will also be placed in a working environment to gain on-the-job experience. Students will also be responsible for creating a final, independent, directed study in an area that combines personal creativity and professional ambition.

Prerequisite: GRD 1203 Publication Design

Course Level Objectives

Upon successful completion of this course the student will be able to:

1. Prepare a personal portfolio of professional level work (PLO 1, 2, 3)
2. Create a sophisticated, professional-quality design project in the medium of their choosing (PLO 1, 2, 3, 4, 5, 6)
3. Create a self-promotional visual identity as a graphic design professional. (PLO 1, 2, 3)

4. Conduct professional graphic design business practices (PLO 8)
5. Demonstrate proficiency in communication, presentation, and business skills necessary to engage in professional practice in graphic design (PLO 1, 8)
6. Demonstrate ability to form and defend aesthetic judgments about graphic design products and to communicate ideas and concepts to professionals related to the practice (PLO 7, 8)
7. Exhibit professional work practices in a design related internship (PLO 8)

Hospitality Administration

HA 1011 - Sanitation and Safety

1 Credits Sanitation and Safety is a survey of the food service industry that emphasizes the aspects of sanitation. Designed for those who would like to learn about the food service industry in terms of sanitation and safety. Fall& Spring

Course Level Objectives

Upon successful completion of this course the student will be able to:

1. Demonstrate specific knowledge about developing a food safety system. (PLO 5)
2. Analyze commercial operations' sanitary facilities and equipment. (PLO 5)
3. Build an effective personal hygiene system. (PLO 5)
4. Explain a Manager's responsibility in sanitation/safety supervision. (PLO 2, 5)
5. Demonstrate the proper techniques to store and prepare potentially hazardous foods in the proper manner. (PLO 5)
6. Identify the various types of foodborne diseases and the means to prevent them. (PLO 5)
7. Identify physical and chemical hazards commonly found in commercial kitchens. (PLO 5)
8. Acquire ServSafe certification by the National Restaurant Association by successfully passing (75% or above) a standardized exam of all course material. (PLO 2)

HA 1043 - Intro to the Hospitality Industry

3 Credits The history and development of the hospitality industry which comprises of food, lodging, and tourism management, an introduction to management principles and concepts used in the service industry, and career opportunities in the field.

Course Level Objectives

Upon successful completion of this course the student will be able to:

1. Recognize the historical perspective of the hospitality industry and its evolution. (PLO 4)
2. Identify trends in and forces affecting hospitality industry. (PLO 2)
3. Differentiate the structure and operating characteristics of the hospitality industry sectors. (PLO 2, 6)
4. Identify the role and responsibilities of managers in the hospitality industry. (PLO 2)
5. Describe the functions of management and their interrelationships in the hospitality industry. (PLO 2, 4)
6. Identify career opportunities in the hospitality field. (PLO 2, 4)

HA 1053 - Intro. To Food & Beverage Mgmt.

3 Credits This course covers the practical skills and knowledge necessary for the effective operation of food and beverage service in a variety of settings. Topics include reservations, greetings and service of guests, styles of service, handling complaints, management responsibilities, and sales and merchandising.

Course Level Objectives

Upon successful completion of this course the student will be able to:

1. Explain the impact of food and beverage service within the hospitality industry. (PLO 4)
2. Recognize the relationships among the flow of food, sanitation and safety, alcohol safety, food service, facility layout and design, and production in the food and beverage industry. (PLO 2, 5)
3. Identify dining service styles and procedures. (PLO 2, 5)
4. Describe the function and responsibilities of management in the food and beverage service field. (PLO 2, 4)
5. Integrate menu development, menu design and food costing via completion of a semester long menu project. (PLO 3)
6. Acquire Certification from the American Hotel and Lodging Association by successfully passing (70% or above) a standardized exam of the course material. (PLO 2)

HA 1063 - Hotel Operations & Guest Services

3 Credits Provides an overview of the management in the lodging industry. Topics include management & supervision skills, human resources, the front office, housekeeping, food & beverage, safety & security, sales & marketing, facility engineering & maintenance, franchise agreements & management contracts. Designed for those who would like to learn more about the lodging industry.

Course Level Objectives

Upon successful completion of this course, the student will be able to:

1. Identify the skills necessary to be an effective General Manager. (PLO 2, 4, 6)
2. Classify hotel operation types, their departments, and service levels. (PLO 2)
3. Explain the Interrelation of departments and management in effectively running a lodging operation. (PLO 2, 4, 6)
4. Identify customer service skills and soft skills imperative to lodging operations. (PLO 2, 6)

Next Course in Sequence: HA 1073, Hospitality & Tourism Internship

HA 1073 - Hospitality & Tourism Internship

3 Credits This course is designed to enhance the academic background of the student with related on-the-job work experience. The work experience will consist of 200 hours for the length of the semester.

Prerequisite: Completion of all Hospitality and Tourism Management coursework OR instructor permission.

Course Level Objectives

Upon successful completion of this course, the student will be able to:

1. Apply skills gained throughout academic studies to a position in the Industry. (PLO 2, 6)
2. Create a professional resume and bio. (PLO 2, 6)
3. Identify management principles and leadership strategies utilized on-the-job and the interrelationships observed in the service field. (PLO 2, 6)
4. Reflect on personal learning and internship experience. (PLO 1, 2, 3, 4, 5, 6)

HA 1103 - Principles Of Food Preparation I

3 Credits Focus on principles, techniques, and theories of food preparations emphasizing nutritional content, proper use and selection of equipment, while stressing sanitary quality controls and guest accommodations that focus on food production.

Corequisite: HA 1011 Sanitation and Safety

Course Level Objectives

Upon successful completion of this course the student will be able to:

1. Explain the differences in cooking methods (PLO 1)
2. Explain the structure and use of recipes. (PLO 1, 3)
3. Use kitchen equipment in a safe, sanitary and professional manner. (PLO 5)
4. Develop an understanding of the use and importance of herbs and spices in the professional kitchen. (PLO 1)
5. Demonstrate knife skills. (PLO 1)
6. Create basic stocks and sauces. (PLO 1)

HA 1113 - Principles Of Food Preparation II

3 Credits

Focuses on the principles, techniques, and theories of food preparations. Nutritional content, proper use, and selection of equipment, while stressing sanitary quality controls, and guest accommodations that focus on food production are emphasized.

Prerequisite: HA 1011 Sanitation and Safety and HA 1103 Principles Of Food Preparation I

Course Level Objectives

Upon successful completion of this course, the student will be able to:

1. Differentiate between vegetables and fruits and their applications in food preparations. (PLO 1)
2. Identify the components and cuts of meats. (PLO 1)
3. Demonstrate the art of Hors D'oeuvres and Canapes. (PLO 1)
4. Illustrate the importance of the appearance of food through effective food presentation and garnishing. (PLO 1)
5. Apply the foreign influences on classical cuisines, and the popularity of ethnic and international cuisines via a semester-long project. (PLO 1,6)
6. Differentiate the basic principles and ingredients used in bakeshop production (including yeast products, quick breads, cookies, pies, pastries, and other desserts). (PLO 1)

Next Course in Sequence: HA 2223, Restaurant & Events Management

HA 1203 - Introduction to Tourism

3 Credits

Tourism Concepts and Practices offers an overview of tourism, economic development planning at the local, regional and national levels with an examination of various activities that constitute tourism including recreation and leisure, the gaming industry, and meetings and conventions all in the context of satisfying the diverse needs of travelers.

Course Level Objectives

Upon successful completion of this course the student will be able to:

1. Recognize the historical perspective of tourism and factors effecting the delivery of quality tourism services. (PLO 4)
2. Differentiate among marketing and sales concepts including branding, segmentation, position, marketing plans and trends. (PLO 2)
3. Identify distribution channels and tourism service suppliers and their relationships. (PLO 2)
4. Characterize the economic and environmental impact of tourism and its focus on sustainable practices. (PLO 4)
5. Define the types of tourism research and related trends as well as the future of the industry. (PLO 4, 6)
6. Discover spectrum of the ethical considerations in hospitality related businesses. (PLO 4)

HA 1213 - Leadership in Hospitality and Tourism

3 Credits Leadership in Hospitality and Tourism offers an overview of principles, theories, human relations, techniques, leadership styles and decision-making skills that are required to manage a team to profitable results in the foodservice and lodging industry

Prerequisite: HA 1043 Intro to the Hospitality Industry OR HA 1203 Introduction to Tourism

Course Level Objectives

Upon successful completion of this course, the student will be able to:

1. Develop a leadership philosophy, and identify their own leadership traits, skills and behaviors. (PLO 2, 4)
2. Explain the basic ways leadership is practiced in the Industry workplace. (PLO 2, 4)
3. Apply leadership theory and its applications to multiple facets of their existing Industry jobs, educational pursuits, and life circumstances. (PLO 2, 4)
4. Develop an appreciation for the unique dimensions of their own leadership style, personal strengths and weaknesses and recognize the means to improve themselves. (PLO 2, 4)

Next Course in Sequence: HA 1073, Hospitality & Tourism Internship

HA 2223 - Restaurant & Events Management

3 Credits Covers the different kinds and characteristics of restaurants and the development of concepts, designs, marketing, and business plans. This course will consider financing, legal, and tax issues, as well as purchasing, budgeting, staffing, training, and sanitation. It includes an in depth look into service and management principles, customer relations, and their overall importance to succeeding in the restaurant industry.

Prerequisite: HA 1053 HA 1053 - Intro. To Food & Beverage Mgmt.

History

HIST 1143 - Arkansas History

3 Credits Designed to acquaint the student with the economic, social and political evolutions of Arkansas from the Spanish and French explorations to the present. "Local color" interrelated to these socio-economic

studies will be an integral part of the course: folklore, native art and music, and traditions that have remained a unique part of Arkansas heritage.

Course Level Objectives

Upon successful completion of this course, the student will be able to:

1. Demonstrate an understanding of the history of Arkansas from prehistory settlement to the modern era, including issues, events, and personalities. (GEO 3, 4)
2. Analyze the sources of Arkansas history (documents and other primary sources) and understand how historians use these to create a narrative and analysis of the past. (GEO 2, 3)
3. Discuss issues in Arkansas history from a variety of perspectives and support their arguments from evidence and analysis of sources. (GEO 1, 2, 3, 4)
4. Construct effective written presentations using primary and secondary sources to research a historical topic. (GEO 1, 2, 3)

HIST 2223 - United States History To 1865*

3 Credits Survey of the growth of the United States from early colonial days through the struggle for independence, development of the American mind, and the struggle of nation-making, Jeffersonian politics and Jackson democracy, up through the crisis of Civil War.

Course Level Objectives

Upon successful completion of this course, the student will be able to:

1. Use critical thinking skills in evaluating claims about the past, including the differentiation between primary and secondary sources, and how historical perspectives and interpretations vary amongst different groups and cultures. (GEO 2, 3)
2. Recognize the important role of foreign policy and cross-cultural exchange in early American history. (GEO 3)
3. Analyze the role of warfare in shaping early American history, from the colonial-era to the Civil War. (GEO 2, 3)
4. Summarize the "modernization" process from rural colonies to an emerging industrial nation, and how this process impacted social, political, and cultural norms. (GEO 1, 3)
5. Identify the changing definitions of liberty and freedom in American society, and how these changes impacted specific groups within the country. (GEO 3)
6. Summarize the process of American settlement and western expansion, dealing particularly with encounters with Native Americans, and how this movement altered American society. (GEO 1, 3)
7. Identify moments of conflict in response to issues of immigration, race, gender, and religion in early American history. (GEO 3, 4)
8. Demonstrate recognition of America's unique religious, cultural, and intellectual heritage, and how these beliefs have guided American political and social action. (GEO 3, 4)

ACTS Equivalent Course Number: HIST 2113

HIST 2233 - United States History Since 1865*

3 Credits Overcoming the upheavals of the Civil War, economic growth and industrialism, democracy and empire, and the 20th century issues of world prominence and the struggle for social equality.

Course Level Objectives

Upon successful completion of this course, the student will be able to:

1. Use critical thinking skills in evaluating claims about the past, including the differentiation between primary and secondary sources, and how historical perspectives and interpretations vary amongst different groups and cultures. (GEO 2,3)
2. Recognize the importance of immigration, class, and racial issues in post-Civil War American society. (GEO 3)
3. Describe important social, political, and/or cultural transitions in American history, such as: the rise of modern industry and labor movements; the settlement of the West; rural to urban population shift, the development of progressivism, etc. (GEO 1, 3)
4. Discuss the role of advertising, mass media, and consumerism in the transformation of American society in the 20th century. (GEO 1, 3)
5. Discuss the role of conflict and warfare in shaping American institutions and society, with special attention to the World Wars, and the Cold War era. (GEO 1, 3)
6. Recognize religious, political, and intellectual heritages of the United States and their impact on public opinion and policy. (GEO 3)
7. Discuss the changing definitions of liberty and freedom in our society through study of the treatment of Native Americans, immigrants, women, and the Civil Rights movement. (GEO 1, 3, 4)
8. Identify the stages of America's evolving role on the global stage after 1898, and key issues in American foreign policy. (GEO 3, 4)

ACTS Equivalent Course Number: HIST 2

HIST 2253 - World Civilization To 1500*

3 Credits This course will survey the development of significant civilizations around the globe from the earliest settlements in Egypt, Mesopotamia, India, China, and the Americas until approximately the end of the 16th century. The political, economic, social, intellectual, and artistic developments of those cultures will be examined and compared with particular attention given to cross-cultural exchanges of technology, ideas, disease, and peoples. The course will also compare major religious and philosophical systems, such as, Buddhism, Hinduism, Judaism, Christianity, Islam, and Confucianism to encourage students to develop a better understanding of global peoples and societies that have shaped our world.

Course Level Objectives

Upon successful completion of this course, the student will be able to:

1. Use critical thinking skills in evaluating claims about the past, including the differentiation between primary and secondary sources, and how historical perspectives and interpretations vary amongst different groups and cultures. (GEO 2, 3)
2. Compare global religious and philosophical systems, including, but not limited to Buddhism, Hinduism, Judaism/Christianity, Confucianism, and Islam. (GEO 3, 4)
3. Evaluate the rise and fall of important political centers and empires from Rome to China and identify the role played by the political, social and intellectual cultures of each. (GEO 1, 2, 3, 4)
4. Recognize the diffusion of ideas, technology, disease, and peoples that continuously shaped and reshaped global cultures. (GEO 3, 4)
5. Identify the linkages that join global communities together, such as the opening of the Silk Road, the European Crusades, or the expansion of various monotheisms around the world. (GEO 3)

ACTS Equivalent Course Number: HIST 1113

HIST 2263 - World Civilization Since 1500*

3 Credits This course will survey the development of significant civilizations from approximately the end of the 16th century to the modern age with emphasis placed on colonization and imperialism and the resulting consequences on the interconnectivity of the world's cultures. The effects of industrialization and globalization on the social, political, intellectual, artistic, and economic aspects of the world's cultures, including the diversification of markets and the creation of class consciousness within labor systems, will be studied. The increasing hemispheric divide and the changing nature of warfare will be examined to encourage students to develop a better understanding of global peoples and societies that have shaped our world.

Course Level Objectives

Upon successful completion of this course, the student will be able to:

1. Use critical thinking skills in evaluating claims about the past, including the differentiation between primary and secondary sources, and how historical perspectives and interpretations vary amongst different groups and cultures. (GEO 2., 3)
2. Identify the patterns of contact and conflict between Western Europe and peoples in Africa, Asia, the Americas, and the Middle East. (GEO 3)
3. Analyze the development of modern political ideologies including nationalism, Communism, and democracy, and how these ideologies have fomented global conflict. (GEO 2, 3, 4)
4. Identify shifting notions of class, gender, and equality that have accompanied modern liberal political systems. (GEO 3)
5. Describe the social and cultural changes brought by modern economic systems such as capitalism and socialism that differentiate the modern world from the pre-modern world. (GEO 1, 3)
6. Recognize how "modernization" processes-whether industrial, intellectual, or technical, have presented challenge to traditional social norms and cultural practice in both Western and non-Western societies. (GEO 3, 4)
7. Analyze the rise of Western imperialism and colonization and how these policies shaped and reshaped native institutions in non-European societies; as well as the variety of indigenous responses to Western economic, political, and cultural hegemony. (GEO 2, 3, 4)

ACTS Equivalent Course Number: HIST 1213

Health Information Technology

HIT 1014 - Medical Coding I

4 Credits To develop an understanding of coding and classification systems in order to assign valid diagnostic codes. It will include validation of coded clinical information and case mix/severity of illness data.

Prerequisite: ALH 1203 Medical Terminology and BIOL 2224 Anatomy & Physiology I*

Corequisite: BIOL 2234 - Anatomy & Physiology II* and HIT 2004 - Fundamentals Of Medical Science.

Course Level Objectives

Upon successful completion of this course the student will be able to:

1. Demonstrate the ability to apply diagnostic codes to both paper and electronic health records. (PLO 4, 5, 6, 9)
2. Use the records in Vlab and classroom records to verify documentation supports the diagnoses listed. (PLO 1, 2, 3, 5, 6, 8, 9)

3. Recognize which providers are required to complete each portion of the health record. (PLO 2, 9)
4. Discuss the purpose of HIPAA and how it relates to HIM. (PLO 3, 9)
5. Analyze and apply current coding guidelines to coding assignments. (PLO 5, 6, 9)

Next Course in Sequence: HIT 2014 Medical Coding II

HIT 1113 - Health Data Content

3 Credits Standards for patient and health care data; data collection issues and documentation requirements; data access and retention.

Prerequisite: CIS 1013 - Information Systems.

Course Level Objectives

Upon successful completion of this course, the student will be able to:

1. Acquire knowledge regarding the health care delivery system in general and more specifically, the Health Information Management Department. (PLO 1, 2, 3, 5)
2. Development of a professional image, including interpersonal communication skills. (PLO 9)
3. Development of critical thinking and problem-solving skills. (PLO 9)
4. Demonstrate flexibility, commitment, ability to work independently. (PLO 5, 9)
5. Demonstrate the ability to work effectively in a team. (PLO 1, 9)
6. Explain basic HIM functions in health care facilities. (PLO 9)

HIT 1223 - Legal Aspects Of Health Information

3 Credits Consents, authorization for release of information, confidentiality, subpoenas, and other legal aspects of health information.

Course Level Objectives

Upon successful completion of this course, the student will be able to:

1. Explain the relevance of law to the health profession, as well as to other healthcare professionals. (PLO 9)
2. Demonstrate why protecting the privacy and security of health information is a challenge in today's world. (PLO 1, 3, 9)
3. Discuss individual liability, particularly in the area of confidentiality and the improper disclosures of health information. (PLO 3, 9)
4. Demonstrate knowledge of record retention guidelines. (PLO 1, 3, 5, 9)
5. Discuss the role and responsibilities of the custodian of health records and who may serve in this role. (PLO 3, 9)

Next Course in Sequence: Varies

HIT 2004 - Fundamentals Of Medical Science

4 Credits Disease process, pharmacology, diagnostic and treatment methodologies for: all body systems. Includes computer-assisted instruction.

Prerequisite: ALH 1203 - Medical Terminology & BIOL 2224 - Anatomy & Physiology I* with a "C" or better;

Corequisite: Corequisite BIOL 2234 - Anatomy & Physiology II*.

Course Level Objectives

Upon successful completion of this course, the student will be able to:

1. Describe significant pathological changes in structure and function of tissues and organs which cause or are caused by disease. (PLO 6)
2. Explain disease processes according to their etiology and organ system involvement. (PLO 6, 9)
3. Recognize the specific physical signs and symptoms of particular disease entities. (PLO 6, 9)
4. Indicate specific medications used to treat major disease processes in each body system. (PLO 6, 9)
5. Summarize disease processes, treatments and outcomes in oral presentations.(PLO 9)

Next Course in Sequence: Varies

HIT 2014 - Medical Coding II

4 Credits

Diagnosis coding to include: case studies using more complex code assignments with ICD-10-CM/PCS- includes PPS application examples for ICD coding (DRG, RUGS, HHRG [Home Health Resource Group]) Introduction to Systematized Nomenclature of Medicine - Clinical Terms (SNOMED); a very high level overview of its role in the health care delivery system as the basis for an electronic health record - outlining its relationship to the administrative code sets currently used for billing and statistical reporting. Include definitions for crosswalks and maps used in the clinical coding process. The course is four credit hours. Procedure Coding: RBRVS, APCs, ASC examples used including professional fee billing examples in coding. Case studies and more complex code assignments

Prerequisite: HIT 1014 Medical Coding I

Course Level Objectives

Upon successful completion of this course, the student will be able to:

1. Analyze documentation in the application of current coding guidelines using ICD-10 CM, ICD-10 PCS, and Current Procedural Terminology (CPT). (PLO 1, 2, 3, 6, 9)
2. Demonstrate effective communication skills, information technology skills, and interpersonal skills to solve coding problems using an encoder, both individually and as a team. (PLO 1, 3, 6, 8, 9)
3. Recognize unsupported diagnoses in previously coded charts or in Computer Assisted Coding suggested codes. (PLO 1, 2, 3, 6, 8, 9)
4. Use manual or electronic queries to physicians for clarification of diagnoses. (PLO 1, 3, 9)
5. Recognize potential for abuse in coded data. (PLO 2, 3, 6, 7, 9)
6. Discuss the purpose of HIPAA and how it relates to coders and other healthcare providers who access the patient's health record. (PLO 3, 9)

Next Course in Sequence: Varies

HIT 2123 - Basic Health Statistics

3 Credits This course includes computation, interpretation of hospital rates and percentages; vital statistics; data display and report generation; introduction to research.

Prerequisite: CIS 1013 Information Systems with a "C" or better.

Course Level Objectives

Upon successful completion of this course, the student will be able to:

1. Identify how statistics are used in healthcare. (PLO 4, 5, 9)
2. Define hospital-related healthcare statistical terms. (PLO 4, 9)
3. Utilize software to display healthcare data creating tables, charts, and graphs as appropriate. (PLO 1, 4, 5)
4. Calculate common healthcare facility statistics. (PLO 4, 5)
5. Interpret statistical data. (PLO 4, 6, 7, 9)
6. Describe statistical and data presentation techniques. (PLO 9)
7. Calculate data for departmental operations such as staffing levels and productivity and budget variances and case mix. (PLO 7, 8, 9)
8. Differentiate among the various types of research methods. (PLO 7, 9)
9. Discuss the purpose and control of an Institutional Review Board. (PLO 1, 9)
10. Recognize the basic concepts of data analytics. (PLO 1)

HIT 2133 - Health Care Quality Management

3 Credits Improving organization performance through quality assessment, utilization review, risk management, and medical staff credentialing.

Prerequisite: CIS 1013 Information Systems with a "C" or better.;

Course Level Objectives

Upon successful completion of this course the student will be able to:

1. Identify quality improvement opportunities for facility wide processes. (PLO 7, 8, 9)
2. Utilize quality improvement tools to monitor, report, and improve outcomes. (PLO 2, 4, 7, 8)
3. Describe components of a risk management program and its role in QI. (PLO 7, 8)
4. Create tools of management including a flow chart, and staffing plan. (PLO 1, 4, 8)

HIT 2203 - Reimbursement Methods

3 Credits Course includes a study of the uses of coded data and health information in reimbursement and payment systems appropriate to all health care settings and managed care. Charge master maintenance, identify fraudulent billing practices. Spring Semesters

Prerequisite: HIT 1014 Medical Coding I

Corequisite: HIT 2014 Medical Coding II

Course Level Objectives

Upon successful completion of this course, the student will be able to:

1. Acquire knowledge regarding the use of clinical data in reimbursement within various healthcare settings including acute and ambulatory care along with the importance of MS-DRG assignment, the Prospective Payment System, and accurate billing among various payors. (PLO 1, 7, 9)
2. Summarize how various payment systems, facility charges, coding, billing, healthcare legislation and external audits have a connected role in reimbursement. (PLO 9)
3. Utilize meaningful use and hospital policies and guidelines to handle data used in healthcare reimbursement. (PLO 1, 3, 4, 7, 8, 9)

4. Articulate changing regulations and local issues and trends related to reimbursement for acute care and ambulatory settings. (PLO 3, 9)
5. Explain revenue cycle processes. (PLO 9)

Next Course in Sequence: Varies

HIT 2213 - Computers In Healthcare

3 Credits Basic Introduction to computerized health information systems, computer-based patient records, automated registries and applications in Health Information Technology.

Prerequisite: CIS 1013 Information Systems with a "C" or better.

Course Level Objectives

Upon successful completion of this course the student will be able to:

1. Explain the process used in the selection and implementation of health information management systems. (PLO 9)
2. Examine various software tools used for storage and retrieval of healthcare data. (PLO 1, 5, 7)
3. Analyze systems for housing personal health information. (PLO 1, 3, 4, 9)
4. Apply report generation technologies to facilitate decision making. (PLO 1, 7, 8)

HIT 2222 - Professional Practice Experience I

2 Credits Professional practice experiences in acute care, ambulatory care, rehabilitation, long-term care, and home health. Emphasis on record assembly & analysis, file management, release of information, statistics, indexes & registers, and special projects.

Prerequisite: Permission of instructor.

Course Level Objectives

Upon successful completion of this course the student will be able to:

1. Apply principles learned in the classroom to the healthcare setting. (PLO 1, 2, 3, 4, 5, 6, 7, 8, 9)
2. Compare documentation requirements for different healthcare settings. (PLO 3, 7)
3. Cultivate the ability to work independently and as a team member. (PLO 1, 9)

Next Course in Sequence: HIT 2402 Professional Practice Experience II

HIT 2402 - Professional Practice Experience II

2 Credits Professional practice experiences in acute care, ambulatory care, behavioral health, and cancer registry. Emphasis on ICD-10 CM/PCS coding & DRG assignment, CPT coding, quality management, supervisory principles, medical staff & hospital committees, and special projects.

Prerequisite: Permission of Instructor

HIT 2503 - Supervision In Hit

3 Credits Supervisory principles for the health information management department, including monitoring adherence to budgets, staffing schedules, policies, procedures, and productivity standards.

Prerequisite: HIT 1113 - Health Data Content with a "C" or better and permission of instructor.

Course Level Objectives

Upon successful completion of this course, the student will be able to:

1. Utilize leadership principles and techniques to solve management and human resource issues. (PLO 3, 7, 8, 9)
2. Exhibit professional demeanor and behavior to include interpersonal communication skills, flexibility, responsibility, commitment, ability to work independently and the ability to work as a team. (PLO 7, 9)
3. Estimate annual staffing and budgeting needs for a Health Information Department. (PLO 7, 9)

Health, Physical Education and Recreation

HPR 1113 - Personal Safety And First Aid

3 Credits Basic principles of personal safety and safety education; safety programs as they apply to the school, home and working environment, legal aspects, and methods of responding to basic emergency response. American Red Cross First Aid and CPR.

Honors

HONS 1000 - Honors Orientation

0 Credits This 20-hour, pre-term course will develop students' knowledge and skills related to leadership, self-management, and interdependence. Specific topics will include personal responsibility and the relationship of choices to consequences, teamwork skills and commitment to civic/community engagement strategies, decision-making and the advantages of emotional intelligence in work and college settings. Students will design a personal plan for developing self-management skills as well as a group project related to community activism.

HONS 1100 - Introduction to Honors Seminar

0 Credits Introduction to Honors Seminar is the class that will prepare students to succeed academically in all subsequent standard and honors coursework. The class will be a mixture of interdisciplinary research skills, research methodologies, and exercises in critical thinking and sound writing. This is a reading and writing-intensive course and should be taken in the Fall semester of the first year. (This class is required for all Honors students transferring into the SAU honors college.)

HONS 2010 - Honors Seminar I

0 Credits

Honors seminars are offered each term from categories designated Honors Seminar I, II, or III. These 1-hour classes meet once per week for 50 minutes and are taught by NPC's finest faculty. Course content rotates each year, and students in the Honors A.A. plan are required to take one seminar from each category for a total of three hours. Students seeking the Departmental Honors diploma may also enroll if able. Honors Seminar I is in the field of Arts and Humanities

HONS 2020 - Honors Seminar II

0 Credits Honors seminars are offered each term from categories designated Honors Seminar I, II, or III. These 1-hour classes meet once per week for 50 minutes and are taught by NPC's finest faculty. Course

content rotates each year, and students in the Honors A.A. plan are required to take one seminar from each category for a total of three hours. Students seeking the Departmental Honors diploma may also enroll if able. Honors Seminar II is the field of Social Sciences.

HONS 2030 - Honors Seminar III

0 Credits Honors seminars are offered each term from categories designated Honors Seminar I, II, or III. These 1-hour classes meet once per week for 50 minutes and are taught by NPC's finest faculty. Course content rotates each year, and students in the Honors A.A. plan are required to take one seminar from each category for a total of three hours. Students seeking the Departmental Honors diploma may also enroll if able. Honors Seminar II is the field of STEM and Health Sciences.

HONS 2050 - Honors Internship

0 Credits This internship offers honors students an opportunity to work with an instructor to create an individualized course of study to meet their intellectual and career interests. The Honors Internship can be used to replace an Honors Seminar.

HONS 2100 - Honors Capstone

0 Credits During their final semester, every Honors student will complete a substantial research paper, project, or creative endeavor subject to Honors Director approval and faculty supervision. Service learning or campus community projects are encouraged. The final result should reflect the skills and knowledge attained in the Honors curriculum, and will be presented to Honors students and faculty when complete.

Industrial Technology

INDT 1013 - Mechanical Devices & Systems

3 Credits This course provides the study and applications related to the maintenance and repair of tools, equipment and machines found in a wide range of industrial operations.

3 SCH (1 Hour Lecture, 6 Hours Lab) Course Level Objectives

Upon successful completion of this course, the student will be able to:

1. Locate appropriate tools and mechanical equipment to complete assigned tasks. (PLO 1, 2, 5)
2. Construct laboratory assemblies via proficiency with mechanical devices. (PLO 1, 2)
3. Identify mechanical devices reciprocally from technical information and laboratory assemblies. (PLO 3, 4, 5)
4. Compare mechanical assembly performance to designed objectives. (PLO 3, 4, 5)
5. Evaluate unexpected operational circumstances and modify mechanical assemblies accordingly. (PLO 4, 5)
6. Assess routine and/or preventative maintenance needs on mechanical components. (PLO 1, 4, 5)
7. Formulate, discuss, and/or build solutions for mechanical assembly application challenges. (PLO 1, 3, 4, 5)
8. Describe mechanical component failures and analysis. (PLO 3, 4, 5)

INDT 1014 - Industrial Fundamentals

4 Credits This course is a study of basic industrial skills required in manufacturing environments and allows the student to attain core credentials in the NCCER system. This course will cover manufacturing safety, trade math, hand tools, power tools, basic blueprints, and communication and employability skills.

Course Level Objectives

Upon successful completion of this course, the student will be able to:

1. Identify specific skills and knowledge as outlined in modules by the certifying body, NCCER, at a 70% proficiency rate per written tests. (PLO 1, 3, 4, 5)
2. Perform specific skills as outlined in modules by the certifying body, NCCER, at a 100% competency rate per performance tests. (PLO 1, 2, 3, 4, 5)

Next Course in Sequence: Varies

INDT 1022 - Blueprint Reading

2 Credits This course is designed to introduce the student to the concepts of reading, interpreting and creating basic mechanical, architectural, and electrical drawings, diagrams and schematics.

Course Level Objectives

Upon successful completion of this course, the student will be able to:

1. Relate the importance of various blueprinting processes. (PLO 1, 3, 5)
2. Master shape visualization and interpretation. (PLO 3, 4)
3. Explain the value of proper line usage in blueprint communication. (PLO 2, 3, 4, 5)
4. Demonstrate proficiency with views and shapes. (PLO 1, 3)
5. Recognize the application of drawing details, such as grooves, slot, keyways, etc. (PLO 1, 3, 4, 5)
6. Identify the application of various dimensioning and dimension styles. (PLO 3, 4)
7. Interpret notes, symbols, and other blueprint nomenclature. (PLO 1, 2, 3, 4, 5)
8. Distinguish basic geometric dimensioning and tolerancing. (PLO 3, 4)
9. Interpret symbols communicated via basic electrical, hydraulic, and pneumatic prints. (PLO 1, 2, 3, 4, 5)
10. Identify associated components as communicated through parts lists, bills of material, and service manuals. (PLO 2, 3, 4, 5)

INDT 1023 - Fluid Power (Hydraulics/Pneumatics)

3 Credits This course provides a study of basic fluid power systems common to the field of industrial automation. It includes basic principles of fluid power, components, standards, symbols, circuits and troubleshooting of hydraulic and pneumatic systems. The course will include proper selection and safe operation of components.

3 SCH (1 Hour Lecture, 6 Hours Lab). **Course Level Objectives**

Upon successful completion of this course, the student will be able to:

1. Locate appropriate tools and fluid power equipment to complete assigned tasks (PLO 1, 2, 5)
2. Construct laboratory assemblies via proficiency with fluid power devices (PLO 1, 2)
3. Identify fluid power devices reciprocally from technical information and laboratory assemblies (PLO 3, 4, 5)
4. Compare fluid power equipment performance to designed objectives (PLO 3, 4, 5)
5. Evaluate unexpected operational circumstances and modify fluid power equipment accordingly (PLO 4, 5)
6. Assess the need for routine and/or preventative maintenance on fluid power devices (PLO 1, 4, 5)
7. Execute solutions for assigned fluid power application challenges (PLO 1, 3, 4, 5)

Next Course in Sequence: Varies

INDT 1033 - Fundamentals of Electricity

3 Credits This course introduces the basic concepts of D.C. and A.C. electricity. General topics covered include current, voltage, resistance, power relationships, circuit laws, magnetism, inductors, capacitors, and transformers. Included in this course will be electrical and shop safety.

3 SCH (2 Hour Lecture, 3 Hours Lab). **Course Level Objectives**

Upon successful completion of this course, the student will be able to:

1. Relate the fundamentals of DC and AC electricity via problem solutions. (PLO 1, 2, 4)
2. Perform Ohm's Law calculations required to determine circuit operation. (PLO 1, 2, 4)
3. Interpret basic electrical graphic symbols and drawings. (PLO 3, 4, 5)
4. Describe the design, construction and operation of electrical systems. (PLO 1, 3, 4, 5)
5. Analyze series and parallel circuits using laws for current and voltage. (PLO 1, 2, 4, 5)
6. Identify the basic theoretical concepts of 3-phase power. (PLO 1, 3, 5)
7. Correctly perform continuity test on transformers, motors, and coils. (PLO 1, 2, 4, 5)
8. Calculate power factor, phase angle, and impedance for AC circuits. (PLO 2, 4, 5)

Next Course in Sequence: INDT 1043, Industrial Motor Control; INDT 1054, Programmable Logic Controllers

INDT 1043 - Industrial Motor Controls

3 Credits

This course covers the fundamentals of D.C. motors, single-phase A.C. motors, and three-phase A.C. motors. The course will also address control devices such as motor starters, contactors, relays solenoids, sensors, timers and switches. Included are maintenance, installation, wiring diagrams, and trouble-shooting.
3 SCH (2 Hour Lecture, 3 Hours Lab).

Pre or Corequisite: INDT 1033 - Fundamentals of Electricity

Course Level Objectives

Upon successful completion of this course the student will be able to:

1. Interpret hardwired ladder diagrams for industrial control circuits. (PLO 2, 3, 4, 5)
2. Assemble electromechanical control circuits. (PLO 1, 2, 4, 5)
3. Install control devices such as relays, motor starters, transformers, and solenoids. (PLO 2, 4, 5)
4. Construct 3 phase AC motors circuits in forward and reverse applications. (PLO 1, 2, 4, 5)
5. Configure AC motors for high and low voltage configurations. (PLO 1, 2, 4, 5)
6. Differentiate between various power distribution systems used in the industry. (PLO 1, 3, 5)
7. Implement limit switches, sensors, and proximity devices for motor control. (PLO 1, 2, 4, 5)
8. Apply methods for accelerating and decelerating AC and DC motors. (PLO 1, 2, 4, 5)
9. Troubleshoot control system problems, execute solutions as needed. (PLO 1, 2, 3, 4, 5)
10. Perform preventative maintenance on electrical control devices and circuits. (PLO 1, 2, 4, 5)

INDT 1054 - Programmable Logic Controllers

4 Credits This course covers instruction in the fundamentals of Programmable Logic Controllers (PLC). It includes the principles of operation, programming techniques, and maintenance of PLCs. Basic relay ladder

logic programming experiments are performed using timers, counters and internal coil instructions in laboratory projects.

Pre or Corequisite: INDT 1043 Industrial Motor Controls

3 SCH (2 Hour Lecture, 4 Hours Lab). **Course Level Objectives**

Upon successful completion of this course, the student will be able to:

1. Diagram and describe I/O modules including essential details. (PLO 2, 3, 5)
2. Download PLC programs and verify their correct operation. (PLO 1, 2, 4, 5)
3. Program and operate a ladder diagram program to replace timer/relays. (PLO 1, 2, 5)
4. Troubleshoot and repair failures in PLC I/O modules accurately. (PLO 1, 2, 3, 4, 5)
5. Define requirements for memory size, scan, update, and I/O modules. (PLO 1, 3, 4)
6. Describe system interface communication requirements. (PLO 3, 4, 5)
7. Comply with industry approved safety rules and procedures. (PLO 1, 2, 5)
8. Properly wire PLCs and related control circuits. (PLO 1, 2, 4, 5)

INDT 1073 - Welding for Maintenance Technicians

3 Credits

In this course, Industrial Technology students will gain the knowledge of basic welding and cutting processes applicable to Maintenance Technician duties. This course incorporates Shielded Metal Arc Welding, Gas Metal Arc Welding, Flux Core Arc Welding, and Gas Tungsten Arc Welding as the welding processes; and the cutting processes of Plasma and Oxygen & Acetylene. This course provides Industrial Technology students the means to perform the auxiliary set up of and welding activities required to perform installation and minor repair duties on the job.

3 SCH (2 Hours Lecture, 3 Hours Lab)

Course Level Objectives

Upon successful completion of this course, the student will be able to:

1. Locate appropriate tools and equipment to complete assigned tasks. (PLO 2, 5)
2. Describe and compare welding/cutting processes for their applicability, along with their advantages & disadvantages to needs in the course of performing maintenance technician duties. (PLO 1, 3, 5)
3. Apply electrical and mechanical knowledge to the proper set up of welding/cutting equipment. (PLO 1, 2, 5)
4. Demonstrate safety skills and knowledge related to welding/cutting processes in the job environment. (PLO 1, 2, 3, 5)
5. Demonstrate welding/cutting processes to required standards needed for on-the-job application. (PLO 1, 2, 3, 5)
6. Identify welding/cutting information reciprocally between technical information and project assemblies. (PLO 3, 4, 5)
7. Assess routine and/or preventative maintenance needs on welding/cutting tools and equipment. (PLO 2, 4, 5)
8. Self-assess the quality of their own welds/cuts made in the completion of course work. (PLO 1, 4, 5)

Marine Repair Technology

MAR 1213 - Introduction to Marine Repair

3 Credits This course introduces the student to basic marine parts and accessories and service order creation. Shop safety, tool identification, and proper tool use are included.

Course Level Objectives

Upon successful completion of this course the student will be able to:

1. Classify marine parts and accessories. (PLO 1, 2)
2. Create a service order given specific criteria. (PLO 2, 3, 4, 5)
3. Use tools specific to the marine industry in their proper setting. (PLO 1, 2, 3, 4, 5)
4. Create mock parts orders based on specific criteria and defend the reasoning for the parts ordered. (PLO 2, 3, 4, 5)
5. Utilize the correct service manual for a given engine via any resource. (PLO 1, 4, 5)

MAR 1303 - 2 & 4 Cycle Theory

3 Credits This class covers the theory of operation of both 2 cycle and 4 cycle engines and their application to the marine industry. Items covered in this class will be engine identification and parts look up, history of the outboard motor, stern drive and inboard application, parts identification for both outboard and stern drive. Also covered will be basic theory of fuel delivery, ignition, and drive systems. Practical application lab required.

Pre or Corequisite: MAR 1213 Introduction to Marine Repair

Corequisite: MAR 1313 2 & 4 Cycle Lab

Course Level Objectives

Upon successful completion of this course the student will be able to:

1. Create a model engine design given specific criteria. (PLO 2, 5)
2. Explain the differences and similarities of 2 and 4 stroke engines using actual engines as a resource. (PLO 2)
3. Demonstrate the ability to adjust the valve train of an engine given the specifications and procedures. (PLO 1, 2, 3, 4, 5)
4. Develop a standard troubleshooting chart for a two stroke and four stroke engine. (PLO 1, 2)

MAR 1313 - 2 & 4 Cycle Lab

3 Credits Practical application lab for MAR 1303 - 2 & 4 Cycle Theory class. Students will have hands on training in disassembly of 2 and 4 cycle engines.

Pre or Corequisite: MAR 1213 Introduction to Marine Repair

Corequisite: MAR 1303 - 2 & 4 Cycle Theory

Course Level Objectives

Upon successful completion of this course the student will be able to:

1. Create a model engine design given specific criteria. (PLO 2, 5)
2. Explain the differences and similarities of 2 and 4 stroke engines using actual engines as a resource. (PLO 2)
3. Demonstrate the ability to adjust the valve train of an engine given the specifications and procedures. (PLO 1, 2, 3, 4, 5)
4. Develop a standard troubleshooting chart for a two stroke and four stroke engine. (PLO 1, 2)

MAR 1504 - Electrical Systems I

4 Credits This course is a basic study of electricity and electrical systems as applied to the marine industry. Areas of study will be AC and DC electricity, ignition systems, starting and charging systems, and boat electrical systems and wiring.

Pre or Corequisite: MAR 1213 Introduction to Marine Repair

Course Level Objectives

Upon successful completion of this course the student will be able to:

1. Create a schematic of a simple circuit, using the proper symbols. (PLO 2, 3, 5)
2. Diagnose known problems in an electrical circuit using a test light. (PLO 1, 2, 3, 4, 5)
3. Determine the resistance values of marine parts and accessories and compare with a given acceptable range. (PLO 3, 4, 5)
4. Create a flow chart of a simple CD ignition system and justify. (PLO 2, 3)

Next Course in Sequence: MAR 1524 Electrical Systems II

MAR 1523 - Electrical Systems Lab

3 Credits This course is an in-depth study of circuitry related to the marine industry as well as troubleshooting techniques and procedures related to electricity, ignition systems, electronic fuel systems and computer diagnostics.

Prerequisite: MAR 1504 Electrical Systems I

Corequisite: MAR 1524 Electrical Systems II

Course Level Objectives

Upon successful completion of this course, the student will be able to:

1. Identify electrical components of an EFI system. (PLO 1, 2)
2. Create an EFI schematic. (PLO 1, 2, 3, 5)
3. Test various relays. (PLO 1, 2, 3, 4, 5)
4. Explain basic electrical troubleshooting techniques for EFI and ignition systems. (PLO 1, 2, 4, 5)

Next Course in Sequence: MAR 1524 Electrical Systems II

MAR 1524 - Electrical Systems II

4 Credits This course is a continuing study of the fundamentals of basic electricity and magnetism in marine engines. Course covers various types of manual and electrical starters, circuitry, charging and circuits, batteries, motor starting, ignition systems, and magnets.

Prerequisite: MAR 1504 - Electrical Systems I.

Corequisite: MAR 1523 Electrical Systems Lab

Course Level Objectives

Upon successful completion of this course, the student will be able to:

1. Identify electrical components of an EFI system. (PLO 1, 2)

2. Create an EFI schematic. (PLO 1, 2, 3, 5)
3. Test various relays. (PLO 1, 2, 3, 4, 5)
4. Explain basic electrical troubleshooting techniques for EFI and ignition systems. (PLO 1, 2, 4, 5)

MAR 1703 - Service & Routine Maintenance

3 Credits This course covers the service and maintenance of marine products, such as, oil changes, water pump service, off season storage, decommissioning, cleaning and interior care. Safety is emphasized.

Pre or Corequisite: MAR 1213 Introduction to Marine Repair

Corequisite: MAR 1713 Service and Routine Maintenance Lab

Course Level Objectives

Upon successful completion of this course, the student will be able to:

1. Change oil and filter on a four stroke outboard engine. (PLO 3, 4, 5)
2. Replace impellers on various engines. (PLO 3, 4, 5)
3. Identify and use tools found in the marine industry in their proper setting. (PLO 1, 2, 3, 4, 5)
4. Explain rationale for service and routine maintenance. (PLO 2, 3, 4)
5. Change lower unit oil on various engines. (PLO 3, 4, 5)

MAR 1713 - Service and Routine Maintenance Lab

3 Credits This course is a comprehensive study of routine maintenance of boats and engines. Oil and filter service, cooling system service, trailer repair and troubleshooting strategies will be the focus of this class.

Pre or Corequisite: MAR 1213 Introduction to Marine Repair

Corequisite: MAR 1703 Service & Routine Maintenance

Course Level Objectives

Upon successful completion of this course, the student will be able to:

1. Change oil and filter on a four stroke outboard engine. (PLO 3, 4, 5)
2. Replace impellers on various engines. (PLO 3, 4, 5)
3. Identify and use tools found in the marine industry in their proper setting. (PLO 1, 2, 3, 4, 5)
4. Explain rationale for service and routine maintenance. (PLO 2, 3, 4)
5. Change lower unit oil on various engines. (PLO 3, 4, 5)

MAR 1903 - Fuel Systems

3 Credits This class covers fuel systems as applied to the marine industry. Course of study will be outboard carburetion, outboard EFI and Direct Fuel Injection, Stern Drive Fuel Systems, Carburetion 2V and 4V, Throttle Body Injection and Multi Port Injection.

Pre or Corequisite: MAR 1213 Introduction to Marine Repair

Course Level Objectives

Upon successful completion of this course the student will be able to:

1. Identify the function of fuel system components. (PLO 1, 2)
2. Use factory tools related to fuel systems in their proper setting. (PLO 1, 2, 4)

3. Demonstrate the ability to disassemble and reassemble a fuel system to industry standards. (PLO 1, 2, 3, 4)
4. Develop a standard troubleshooting chart for fuel delivery systems. (PLO 1, 2)

MAR 2113 - Marine Repair Internship

3 Credits Marine Repair Technology students will receive on-the-job training associated with the marine area to reinforce classroom instruction. Supervision will be provided by the classroom instructor in conjunction with the internship site personnel.

Prerequisite: Instructor permission

Course Level Objectives

Upon successful completion of this course, the student will be able to:

1. Demonstrate professional communication skills that reflect industry competence. (PLO 3, 5)
2. Demonstrate specific marine repair skills to use in workplace situations. (PLO 1, 2, 3, 4, 5)
3. Identify potential employer and other industry contacts. (PLO 2, 3)

Medical Laboratory Technology

MLT 1022 - Serology/Immunology

2 Credits Theory of antibody production and antigen-antibody reactions. Tests for syphilis, rheumatoid arthritis, bacterial and viral infections, pregnancy, and others are performed. Lab Fee.

Prerequisite: Completion of all program prerequisite courses (32 credit hours) with a grade of "C" or better.

Course Level Objectives

Upon successful completion of this course the student will be able to:

1. Describe the immunological mechanisms of the body, including cell mediated and humoral immunity. (PLO 1,6)
2. Define the properties of antigens and antibodies. (PLO 1,6)
3. Identify and explain alterations of the immune system. (PLO1,6)
4. Perform, evaluate, interpret, and relate serological laboratory tests to common disease processes. (PLO1,6)
5. Apply and demonstrate principles of laboratory safety, including Universal/Standard Precautions (in the student lab). (PLO 6, 9)

Next Course in Sequence: MLT 2015 Pathogenic Microbiology, MLS 2024 Immunohematology, MLT 2032 Clinical Microscopy, MLT 2034, Clinical Chemistry

MLT 1024 - Hematology

4 Credits Cellular elements of the blood, the blood-forming organs, and the theory of blood formation. Blood collection and handling. Routine blood counts, morphology of cells, and differentials of white cells. Additional emphasis on the study of anemias, leukemias, and other blood dyscrasias, plus additional lectures and/or demonstrations on automation in hematology. Includes studies in coagulation. Lab Fee.

Prerequisite: Completion of all program prerequisite courses (32 credit hours) with a grade of "C" or better.

Course Level Objectives

Upon successful completion of this course the student will be able to:

1. Perform, evaluate, interpret, and relate laboratory test results to common disease processes. (PLO 1, 5, 6)
2. Apply and interpret hematology methods in assessing and identifying blood disorders. (PLO 1, 5, 6)
3. Define and explain the principles of hematological procedures. (PLO 3, 7)
4. Demonstrate the ability to use medical literature, case study information and lab results in problem solving. (PLO 1)
5. Apply and demonstrate principles of laboratory safety, including Universal/Standard Precautions. (PLO 6, 9)

Next Course in Sequence: MLT 2015 Pathogenic Microbiology, MLS 2024 Immunohematology, MLT 2032 Clinical Microscopy, MLT 2034, Clinical Chemistry

MLT 2002 - Intro. To Medical Lab. Technology

2 Credits Emphasis on job-related problems and experiences in the clinical laboratory, with a review of current techniques in testing, instrumentation, personnel practices, and governmental/legal aspects. Suitable for continuing education requirements.

Lab Fee.

Course Level Objectives

Upon successful completion of this course, the student will be able to:

1. Describe the organization and operation of the clinical laboratory. (PLO 4, 6)
2. Describe and perform proper venipuncture and capillary collection techniques. (PLO 3, 6)
3. Perform basic manual testing procedures in hematology, immunohematology, chemistry, urinalysis and microbiology and evaluate results. (PLO 6)
4. Identify, define and use basic medical terminology as introduced in this course. (PLO 3)
5. Describe safety equipment and standard safety measures used in a clinical lab setting, applying/demonstrating as appropriate in the student lab. (PLO 6)
6. Recognize perspectives of diverse groups relating to laboratory procedures. (PLO 8)

Next Course in Sequence: All MLT courses

MLT 2015 - Pathogenic Microbiology

5 Credits

Culture media, morphology of bacteria, relation of bacteria to diseases, transmission of infections, preparation of smears from various sources, stains and staining procedures, classification of bacteria, the study of bacteria of clinical importance, isolation and identification of bacteria, preparation of material for parasites which affect humans, and preparation and study of material for disease-causing fungi. Lab Fee.

Prerequisite: MLT 1022 - Serology/Immunology, MLT 1024 - Hematology

Corequisite: MLT 2024 - Immunohematology, MLT 2032 - Clinical Microscopy, MLT 2034 - Clinical Chemistry

Course Level Objectives

Upon successful completion of this course the student will be able to:

1. Describe the proper specimen collection, media selection, inoculation, and staining procedures for each of the specimen categories presented in the lecture schedule. (PLO 1,2,6)
2. Properly identify the common human bacterial, parasitic, and fungal pathogens by microscopic examination, and, as appropriate, by colonial examination, and biochemical testing. (PLO 1,2,6)
3. Name the members of the normal bacterial flora and name the most commonly encountered pathogens found in each of the specimen categories presented in the lecture schedule. (PLO 1,2,6)
4. Perform cultures and sensitivities, choosing proper media, analyzing and reporting the results when given various specimens by the instructor. (PLO 1,2,6)
5. Evaluate test results and respond appropriately according to established protocol by initiating acceptable follow-up testing if warranted. (PLO 1,2,6)
6. Apply and demonstrate principles of laboratory safety, including Universal/Standard Precautions (in student laboratory). (PLO 6)

Next Course in Sequence: MLT 2114 Clinical Application Microbiology, MLT 2124 Clinical Applications Immunohematology, MLT 2133 Clinical Application Chemistry, MLT 2154 Clinical Application Hematology

MLT 2024 - Immunohematology

4 Credits

Identification of blood groups; identification of subgroups of ABO and Rh systems; cross-matching and blood banking techniques in accordance with AABB recommendations; investigation of hemolytic disease of the newborn; antibody detection and identification; donating, processing, and storage of blood. Lab Fee.

Prerequisite: MLT 1022 - Serology/Immunology, MLT 1024 - Hematology

Corequisite: MLT 2015 - Pathogenic Microbiology, MLT 2032 - Clinical Microscopy, MLT 2034 - Clinical Chemistry

Course Level Objectives

Upon successful completion of this course the student will be able to:

1. Describe the basic principles of and perform the procedures for: *ABO and Rh typing * Indirect and Direct Antiglobulin tests * Antibody Identification/Panel tests *Fetal Screen *Compatibility Testing (PLO1,2,6)
2. Describe the concept of procedure for, and perform compatibility testing. (PLO 1,6)
3. Describe donor qualifications. (PLO 9,10)
4. Discuss, compare and contrast the most commonly used blood components. (PLO 1)
5. Describe the causes and treatments for HDN. (PLO 1)
6. List the transfusion reactions covered in this unit and discuss their cause. (PLO 1,6)
7. Perform a transfusion reaction work-up, evaluate your findings, and propose a course of action. (PLO 1,6)
8. Discuss and/or perform quality control procedures and recognize their importance in patient care. (PLO 6)
9. Organize and prioritize tasks, work independently and with others under time constraints, employing problem-solving skills. (PLO 1)
10. Demonstrate professionalism and integrity in performance of all procedures and in interaction with co-workers and patients. (PLO 3)
11. Demonstrate, to instructor's satisfaction, a level of theoretical understanding and technical proficiency in all procedures performed in the student lab sufficient to instruct and/or orient the novice student or instructor. (PLO 6,9)

Next Course in Sequence: MLT 2114 Clinical Application Microbiology, MLT 2124 Clinical Applications Immunohematology, MLT 2133 Clinical Application Chemistry, MLT 2154 Clinical Application Hematology

MLT 2032 - Clinical Microscopy

2 Credits

Chemical, macroscopic, and microscopic study and analysis of the urine, for normal and abnormal constituents. Further practice with the microscope and its utilization in other laboratory procedures. Lab Fee.

Prerequisite: MLT 1022 - Serology/Immunology, MLT 1024 - Hematology

Corequisite: MLT 2015 - Pathogenic Microbiology, MLT 2024 - Immunohematology, MLT 2034 - Clinical Chemistry

Course Level Objectives

Upon successful completion of this course the student will be able to:

1. Collect, process, and analyze urine and body fluid specimens. (PLO 2, 6)
2. Recognize factors that affect methods and test results and take appropriate actions within established guidelines. (PLO 1, 2)
3. Construct, perform, and monitor routine departmental quality control. (PLO 6)
4. Apply principles of laboratory safety, including Standard Precautions. (PLO 6, 9)
5. Relate laboratory test results to common disease processes. (PLO 5)
6. Evaluate laboratory test results pertaining to disease states. (PLO 1, 2, 5)
7. Demonstrate, a level of theoretical understanding and technical proficiency in all procedures sufficient to instruct and/or orient the novice student, employee, or instructors. (PLO 3, 6, 7)

Next Course in Sequence: MLT 2114 Clinical Application Microbiology, MLT 2124 Clinical Applications Immunohematology, MLT 2133 Clinical Application Chemistry, MLT 2154 Clinical Application Hematology

MLT 2034 - Clinical Chemistry

4 Credits

Presence and quantity of chemical substances in the blood and other body fluids; instrumentation, including the principles of instruments and their use; performance of such tests as blood sugar, electrolytes, calcium, enzymatic determinations, and liver and kidney functions. Special emphasis on quality control. Lab Fee.

Prerequisite: MLT 1022 - Serology/Immunology, MLT 1024 - Hematology

Corequisite: MLT 2015 - Pathogenic Microbiology, MLT 2024 - Immunohematology, MLT 2032 - Clinical Microscopy

Course Level Objectives

Upon successful completion of this course the student will be able to:

1. Collect, process and analyze medical chemistry specimens. (PLO 2,6)
2. Recognize and apply principles related to the use of laboratory information systems used in the medical chemistry department. (PLO 2, 6)
3. Perform analytical tests on body fluids, cells, serum, plasma, and other substances tested in the department. (PLO 1, 6)

4. Recognize factors that affect methods and test results and take appropriate actions within established guidelines using the skills of critical thinking and problem solving. (PLO 1, 2)
5. Recognize the clinical significance of laboratory procedures and treatment of disease. (PLO 1, 5)
6. Perform and monitor routine departmental quality control within established guidelines by applying the principles of critical thinking and problem solving. (PLO 1, 6)
7. Apply and encourage the use of principles of laboratory safety, including Universal (Standard) Precautions. (PLO 6)
8. Apply basic scientific principles in learning new techniques and procedures. (PLO 6, 9, 10)
9. Integrate laboratory test results to common disease states. (PLO 5)
10. Construct a Quality Control chart based on Q.C. data. (PLO 6)
11. Demonstrate, to instructor's satisfaction, a level of theoretical understanding and technical proficiency in all procedures sufficient to instruct and/or orient the novice student, employee, or instructor (PLO 3, 6, 7)

Next Course in Sequence: MLT 2114 Clinical Application Microbiology, MLT 2124 Clinical Applications Immunohematology, MLT 2133 Clinical Application Chemistry, MLT 2154 Clinical Application Hematology

MLT 2114 - Clinical Application Microbiology

4 Credits

Increased proficiency in bacteriology, mycology, and Parasitology techniques. Responsibilities of the medical laboratory technician in the medical laboratory and total patient care. Lab Fee.

Prerequisite: MLT 2015 - Pathogenic Microbiology, MLT 2024 - Immunohematology, MLT 2032 - Clinical Microscopy, MLT 2034 - Clinical Chemistry

Corequisite: MLT 2124 - Clin Applications Immunohematology, MLT 2133 - Clinical Application Chemistry, MLT 2154 - Clinical Application Hematology

Course Level Objectives

Upon successful completion of this course, the student will be able to:

1. Describe the proper specimen collection, media selection, inoculation, and staining procedures for each of the specimen categories presented in the lecture schedule. (PLO 1, 2, 6)
2. Identify the common human bacterial, parasitic, and fungal pathogens by microscopic examination, and, as appropriate, by colonial examination, and biochemical testing. (PLO 1, 2, 6)
3. Identify the members of the normal bacterial flora and the most commonly encountered pathogens found in each of the specimen categories presented in the lecture schedule. (PLO 1, 2, 6)
4. Perform cultures and sensitivities, choosing proper media, analyzing and reporting the results when given various specimens by the instructor. (PLO 1, 2, 6)
5. Evaluate test results according to established protocol by initiating acceptable follow-up testing if warranted. (PLO 1, 2, 6)
6. Demonstrate the application of laboratory safety principles, including Universal/Standard Precautions (in student laboratory). (PLO 6)
7. Demonstrate integrity, leadership, professionalism, and accountability when collaborating with patients and with members of the health care team. (PLO 3, 4, 7)
8. Demonstrate, to instructor's satisfaction, a level of theoretical understanding and technical proficiency in all procedures. (PLO 1, 2, 6, 9)

MLT 2124 - Clin Applications Immunohematology

4 Credits

Increased proficiency in the techniques of blood banking and serology. Responsibilities of the medical laboratory technician in the medical laboratory and total patient care. Lab Fee.

Prerequisite: MLT 2015 - Pathogenic Microbiology, MLT 2024 - Immunohematology, MLT 2032 - Clinical Microscopy, MLT 2034 - Clinical Chemistry

Corequisite: MLT 2114 - Clinical Application Microbiology, MLT 2133 - Clinical Application Chemistry, MLT 2154 - Clinical Application Hematology

Course Level Objectives

Upon successful completion of this course, the student will be able to:

1. Describe the basic principles and perform the procedures for: a. ABO & Rh typing, b. Indirect and Direct Antiglobulin tests, c. Antibody Identification/Panel tests, d. Fetal Screen, e. Compatibility Testing (PLO 1, 2, 6)
2. Describe blood donor qualifications. (PLO 1, 6)
3. Compare and contrast the most commonly used blood components. (PLO 9, 10)
4. Describe the causes and treatments for Hemolytic Disease of the Newborn. (PLO 1)
5. Summarize transfusion reactions and their cause. (PLO 1, 6)
6. Perform a transfusion reaction work-up, and evaluation of your findings, and a proposed course of action. (PLO 1, 6)
7. Discuss and/or perform quality control procedures and recognize their importance in patient care. (PLO 6)
8. Employ problem solving behaviors in completing time sensitive tasks in an organized manner. (PLO 1)
9. Demonstrate integrity, leadership, professionalism, and accountability when collaborating with patients and with members of the health care team. (PLO 3)

MLT 2133 - Clinical Application Chemistry

3 Credits Increased proficiency in chemistry. Responsibilities of the medical laboratory technician in the medical laboratory and total patient care. Lab Fee.

Prerequisite: MLT 2015 - Pathogenic Microbiology, MLT 2024 - Immunohematology, MLT 2032 - Clinical Microscopy, MLT 2034 - Clinical Chemistry

Corequisite: MLT 2114 - Clinical Application Microbiology, MLT 2124 - Clin Applications Immunohematology, MLT 2154 - Clinical Application Hematology

Course Level Objectives

Upon successful completion of this course, the student will be able to:

1. Demonstrate a level of theoretical understanding and technical proficiency in all procedures performed in the student lab sufficient to instruct and/or orient the novice student or instructor. (PLO 6, 9)
2. Collect, process and analyze medical chemistry specimens. (PLO 2, 6)
3. Apply principles related to the use of laboratory information systems used in the medical chemistry department. (PLO 2, 6)
4. Perform analytical tests on body fluids, cells, serum, plasma, and other substances tested in the department. (PLO 1, 6)
5. Employ critical thinking skills in the recognition and correction of factors that affect methods and test results while following established guidelines. (PLO 1, 2)
6. Recognize the clinical significance of laboratory procedures and treatment of disease. (PLO 1, 5)

7. Apply critical thinking skills while performing and monitoring routine departmental quality control within established guidelines. Apply and encourage the use of the principles of laboratory safety, including Universal (Standard) Precautions. (PLO 1, 6)
8. Apply basic scientific principles in learning new techniques and procedures. (PLO 6, 9, 10)
9. Interpret laboratory test results as they relate to common disease states. (PLO 5)
10. Construct a Quality Control chart based on Quality Control data. (PLO 6)
11. Demonstrate a level of theoretical understanding and technical proficiency in all procedures sufficient to instruct and/or orient the novice student, employee, or instructor. (PLO 6)
12. Demonstrate professionalism and integrity in performance of all procedures and in interaction with co-workers and patients. (PLO 3, 4, 7, 9)

MLT 2154 - Clinical Application Hematology

4 Credits

Increased proficiency in hematology, coagulation, urinalysis, and the collection of blood specimens. Responsibilities of the medical laboratory technician in the medical laboratory and total patient care. Lab Fee.

Prerequisite: MLT 2015 - Pathogenic Microbiology, MLT 2024 - Immunohematology, MLT 2032 - Clinical Microscopy, MLT 2034 - Clinical Chemistry

Corequisite: MLT 2114 - Clinical Application Microbiology, MLT 2124 - Clin Applications Immunohematology, MLT 2133 - Clinical Application Chemistry

Course Level Objectives

Upon successful completion of this course, the student will be able to:

1. Employ critical thinking skills in the performance, evaluation, interpretation of laboratory test results and how they relate to common disease processes. (PLO 1,5,6)
2. Interpret hematology methods in assessing and identifying blood disorders. (PLO 1,5,6).
3. Summarize the principles of hematological procedures. (PLO 3,7)
4. Demonstrate the ability to use medical literature, case study information and lab results in problem solving. (PLO 1)
5. Apply principles of laboratory safety, including Universal/Standard Precautions. (PLO 6,9)
6. Demonstrate professionalism and integrity in performance of all procedures and in interaction with co-workers and patients. (PLO 3,4,7,9)
7. Demonstrate, to instructor's satisfaction, a level of theoretical understanding and technical proficiency in all procedures. (PLO 1,2,6,9)

Music

MUS Voice/Instrument - Private Voice/Instrument I

3 Credits *Based on your Music transfer program, choose from:*

MUS 1513 Private Voice I or
 MUS 1533 Private Piano I or
 MUS 1553 Private Organ I or
 MUS 1743 Private Violin I or
 MUS 1763 Private Viola I or
 MUS 1783 Private Cello I or
 MUS 1803 Private String Base I or

MUS 1823 Private Euphonium I or
MUS 1843 Private Horn I or
MUS 1863 Private Trombone I or
MUS 1883 Private Trumpet I or
MUS 1903 Private Tuba I or
MUS 1923 Private Bassoon I or
MUS 1943 Private Clarinet I or
MUS 1613 Private Flute I or
MUS 1963 Private Oboe I or
MUS 1983 Private Saxophone I or
MUS 1653 Private Percussion I

Course Level Objectives

Upon successful completion of this course, the student will be able to:

1. Demonstrate improved skill using various techniques. (GEO 3)
2. Apply instructor's suggested modifications to technique in all aspects of performance. (GEO 2, 3)
3. Build a beginning-level repertoire appropriate to the chosen instrument. (GEO 3) 4. Fully research chosen repertoire. (GEO 1, 3)
4. Perform compositions selected in collaboration between the instructor and student. (GEO 1, 3, 4)

MUS Voice/Instrument - Private Voice/Instrument II

3 Credits *Based on your Music transfer program, choose from:*

MUS 1523 Private Voice II or
MUS 1543 Private Piano II or
MUS 1563 Private Organ II or
MUS 1753 Private Violin II or
MUS 1773 Private Viola II or
MUS 1793 Private Cello II or
MUS 1813 Private String Bass II or
MUS 1833 Private Euphonium II or
MUS 1853 Private Horn II or
MUS 1873 Private Trombone II or
MUS 1893 Private Trumpet II or
MUS 1913 Private Tuba II or
MUS 1933 Private Bassoon II or
MUS 1953 Private Clarinet II or
MUS 1623 Private Flute II or
MUS 1973 Private Oboe II or
MUS 1993 Private Saxophone II or
MUS 1663 Private Percussion II

Course Level Objectives

Upon successful completion of this course, the student will be able to:

1. Demonstrate improved skill using various techniques. (GEO 3)
2. Apply instructor's suggested modifications to technique in all aspects of performance (GEO 2, 3)
3. Build an increasingly challenging repertoire appropriate to the chosen instrument. (GEO 3)
4. Fully research chosen repertoire. (GEO 1, 3)

5. Perform compositions selected in collaboration between the instructor and student. (GEO 1, 3, 4)

MUS Voice/Instrument - Private Voice/Instrument III

3 Credits *Based on your Music transfer program, choose from:*

MUS 2513 Private Voice III or
MUS 2533 Private Piano III or
MUS 2553 Private Organ III or
MUS 2743 Private Violin III or
MUS 2763 Private Viola III or
MUS 2783 Private Cello III or
MUS 2803 Private String Bass III or
MUS 2823 Private Euphonium III or
MUS 2843 Private Horn III or
MUS 2863 Private Trombone III or
MUS 2883 Private Trumpet III or
MUS 2903 Private Tuba III or
MUS 2923 Private Bassoon III or
MUS 2943 Private Clarinet III or
MUS 2663 Private Flute III or
MUS 2963 Private Oboe III or
MUS 2983 Private Saxophone III or
MUS 2653 Private Percussion III

Course Level Objectives

Upon successful completion of this course, the student will be able to:

1. Demonstrate improved skill using various techniques. (GEO 3)
2. Apply instructor's suggested modifications to technique in all aspects of performance (GEO 2, 3, 4)
3. Build an increasingly challenging repertoire appropriate to the chosen instrument. (GEO 3)
4. Research chosen repertoire. (GEO 1, 3)
5. Perform compositions selected in collaboration between the instructor and student. (GEO 1, 3, 4)

MUS Voice/Instrument - Private Voice/Instrument IV

3 Credits *Based on your Music transfer program, choose from:*

MUS 2523 Private Voice IV or
MUS 2543 Private Piano IV or
MUS 2563 Private Organ IV or
MUS 2753 Private Violin IV or
MUS 2773 Private Viola IV or
MUS 2793 Private Cello IV or
MUS 2813 Private String Bass IV or
MUS 2833 Private Euphonium IV or
MUS 2853 Private Horn IV or
MUS 2873 Private Trombone IV or
MUS 2893 Private Trumpet IV or
MUS 2913 Private Tuba IV or
MUS 2933 Private Bassoon IV or
MUS 2953 Private Clarinet IV or
MUS 2673 Private Flute IV or

MUS 2973 Private Oboe IV or
MUS 2993 Private Saxophone IV or
MUS 2733 Private Percussion IV

Course Level Objectives

Upon successful completion of this course, the student will be able to:

1. Demonstrate improved skill using various techniques. (GEO 3)
2. Apply instructor's suggested modifications to technique in all aspects of performance. (GEO 2, 3)
3. Build an increasingly challenging repertoire. (GEO 1, 3)
4. Research chosen repertoire. (GEO 1, 3)
5. Perform compositions selected in collaboration between the instructor and student. (GEO 1, 3, 4)

MUS 1100 - Performance Lab I

0 Credits Performance Lab is taken in coordination with applied vocal or instrumental music study and consists of one meeting per week in which students perform for their instructor and fellow music students. After each performance, immediate feedback is offered by the instructor ranging from application of principles of technical performance to actual repertoire before an audience, performance practice (style) as related to relevant musical literature, and refinement of musical literacy required to interpret progressively challenging repertoire of the instrument. Repertoire and performance assignments will be based on the individual progress of the student. When not performing in Performance Lab, students are expected to attentively study the work of instructor and performer, applying the public demonstration to their own work.

Prerequisite: Consent of the instructor

Corequisite: Enrollment in related course of Applied Study (MUS 1XX3 or MUS 2XX3)

MUS 1103 - Fundamentals Of Music

3 Credits The introduction of the basic music fundamentals, including notation, keys, scales, intervals, meter, rhythm, melody, and harmony. Music majors will be required to successfully complete Fundamentals of Music before taking MUS 1113 - Music Theory I and MUS 1131 - Aural Skills I. Credit earned in this course is in addition to that of the required music theory courses.

Course Level Objectives

Upon successful completion of this course the student will be able to:

1. Recognize musical notation. (GEO 1, 2, 3, 4)
2. Notate music correctly on two staves. (GEO 1, 2, 3, 4)
3. Recognize diatonic harmonies. (GEO 1, 2, 3, 4)

MUS 1113 - Music Theory I

3 Credits Study of the diatonic compositional principles of the 18th century from music fundamentals through elementary chromatic harmonies and modulations. Three credit hours per semester.

Prerequisite: MUS 1103 - Fundamentals Of Music.

Corequisite: MUS 1132 Sight Singing/Ear Training I.

Course Level Objectives

Upon successful completion of this course, the student will be able to:

1. Analyze form and structure in Western rhythm, harmony and melody. (GEO 1, 2, 3, 4)
2. Compose musical examples of studied melodic and harmonic theory. (GEO 1, 2, 3, 4)
3. Aurally identify examples of studied melodic and harmonic theory. (GEO 1, 2, 3, 4)

Next Course in Sequence: MUS 1, Music Theory II

MUS 1123 - Music Theory II

3 Credits Study of the diatonic compositional principles of the 18th century from music fundamentals through elementary chromatic harmonies and modulations. Three credit hours per semester.

Prerequisite: MUS 1113 - Music Theory I.

Corequisite: ZZZ 1142 - Sight Singing/Ear Training II .

Course Level Objectives

Upon successful completion of this course the student will be able to:

1. Recognize basic musical phrase structure and form (GEO 1, 2, 3, 4)
2. Recognize and analyze diatonic harmonies in the major and minor modes. (GEO 1, 2, 3, 4)Selected
3. Recognize correct four-part voice leading (GEO 1, 2, 3, 4)
4. Analyze correctly diatonic harmony in part-writing and authentic musical examples. (GEO 1, 2, 3, 4)
5. Demonstrate correct four-part voice leading with complete analysis of harmony and form. (GEO 1, 2, 3, 4)
6. Realize figured base in four parts. (GEO 1, 2, 3, 4)
7. Harmonize a melody in four parts. (GEO 1, 2, 3, 4)

MUS 1131 - Aural Skills I

1 Credits This course begins the development of aural skills; the ability to listen and recognize harmonic and melodic structure in music and sight singing; the ability to read both melodic and rhythmic patterns in music at sight. Emphasis will be placed upon melodic and harmonic dictation, interval recognition and continued practice of sight reading examples. One credit hour per semester.

Prerequisite: MUS 1103 - Fundamentals Of Music.

Corequisite: MUS 1113 - Music Theory I.

Course Level Objectives

Upon successful completion of this course, the student will be able to:

1. Recognize aurally basic musical phrase structures and forms. (GEO 1, 2, 3, 4)
2. Demonstrate correct sight-reading of melodies and rhythms. (GEO 1, 2, 3, 4)
3. Demonstrate accurate rhythmic and melodic dictation. (GEO 1, 2, 3, 4)

Next Course in Sequence: MUS 1141, Aural Skills II

MUS 1141 - Aural Skills II

1 Credits Further development of aural skills; the ability to listen and recognize harmonic and melodic structure in music and sight singing; the ability to read both melodic and rhythmic patterns in music at sight.

Emphasis will be placed upon melodic and harmonic dictation, interval recognition and continued practice of sight reading examples. One credit hour per semester.

Prerequisite: MUS 1131 - Aural Skills I.

Corequisite: MUS 1123 - Music Theory II.

Course Level Objectives

Upon successful completion of this course the student will be able to:

1. Recognize aurally basic musical phrase structures and forms. (GEO 1, 2, 3, 4)
2. Demonstrate correct sight-reading of melodies and rhythms. (GEO 1, 2, 3, 4)
3. Demonstrate accurate rhythmic, melodic, and harmonic dictation. (GEO 1, 2, 3, 4)

MUS 1200 - Performance Lab II

0 Credits Performance Lab is taken in coordination with applied vocal or instrumental music study and consists of one meeting per week in which students perform for their instructor and fellow music students. After each performance, immediate feedback is offered by the instructor ranging from application of principles of technical performance to actual repertoire before an audience, performance practice (style) as related to relevant musical literature, and refinement of musical literacy required to interpret progressively challenging repertoire of the instrument. Repertoire and performance assignments will be based on the individual progress of the student. When not performing in Performance Lab, students are expected to attentively study the work of instructor and performer, applying the public demonstration to their own work.

Prerequisite: Consent of instructor

Corequisite: Enrollment in related course of Applied Study (MUS 1XX3 or MUS 2XX3)

Course Level Objectives

Upon successful completion of this course, the student will be able to:

1. Demonstrate improved skill using various techniques. (GEO 3)
2. Apply instructor's suggested modifications to technique in all aspects of performance (GEO 2, 3, 4)
3. Build an increasingly challenging repertoire appropriate to the chosen instrument. (GEO 3)
4. Research chosen repertoire. (GEO 1, 3)
5. Perform compositions selected in collaboration between the instructor and student. (GEO 1, 3, 4)

MUS 1201 - Community Band Ensemble

1 Credits The Hot Springs Community Band (HSCB) is dedicated not only to the preservation and continuation of the "community band" tradition, but also to the on-going promotion of musical education and performance opportunities for local students. Musicians of all ages who believe their instrumental skills are adequate are welcome to participate in weekly evening rehearsals and scheduled performances. The HSCB awards honoraria to its high school members who qualify for All-Region or All-State Band status.

MUS 1213 - Music Appreciation*

3 Credits Music, its origin and development. A library of recorded instrumental and vocal music is used to illustrate. The course seeks to relate music to the other arts, literature, and the social sciences. A foundation to the appreciation of music.

Course Level Objectives

Upon successful completion of this course, the student will be able to:

1. Relate development of music to corresponding political, artistic and intellectual movements. (GEO 2, 3, 4)
2. Analyze various elements of music. (GEO 2, 3)
3. Distinguish music by period. (GEO 2, 3)
4. Distinguish music by style. (GEO 3)
5. Distinguish music by form. (GEO 3)
6. Examine and discuss music of non-Western traditions. (GEO 1, 3)
7. Express musical ideas clearly and concisely both orally and in writing. (GEO 1, 3)

ACTS Equivalent Course Number: MUSC 1003

MUS 1331 - Class Piano I

1 Credits Group instruction in piano to familiarize the beginning student with the keyboard. For anyone who wishes to learn to play the piano. Prior keyboard experience is not necessary.

Course Level Objectives

Upon successful completion of this course, the student will be able to:

1. Recognize and demonstrate intermediate piano technique in a classroom setting. (GEO 1, 2, 3, 4)
2. Apply instructor's suggested modifications to technique in all aspects of performance. (GEO 1, 2, 3, 4)
3. Perform intermediate-level exercises and repertoire. (GEO 1, 2, 3, 4)

Next Course in Sequence: MUS 1341, Class Piano II

MUS 1341 - Class Piano II

1 Credits Continuation of MUS 1331 - Class Piano I.

Course Level Objectives

Upon successful completion of this course, the student will be able to:

1. Recognize and demonstrate intermediate piano technique in a classroom setting. (GEO 1, 2, 3, 4)
2. Apply instructor's suggested modifications to technique in all aspects of performance. (GEO 1, 2, 3, 4)
3. Perform intermediate-level exercises and repertoire. (GEO 1, 2, 3, 4)

MUS 1451 - National Park College Singers I

1 Credits A group of mixed voices which performs throughout the year for area churches, civic clubs, and schools.

Course Level Objectives

Upon successful completion of this course, the student will be able to:

1. Demonstrate appropriate rehearsal behavior toward the conductor (instructor), pianist and all fellow singers. (GEO 1, 3, 4)
2. Demonstrate mastery of chosen repertoire. (GEO 1, 2, 3, 4)
3. Maintain attendance at each rehearsal and performance, including graduation. (GEO 2, 4)

Next Course in Sequence: MUS 1461, National Park College Singers II

MUS 1461 - National Park College Singers II

1 Credits Continuation of MUS 1451 - National Park College Singers I.

Course Level Objectives

Upon successful completion of this course, the student will be able to:

1. Demonstrate appropriate rehearsal behavior toward the conductor (instructor), pianist and all fellow singers. (GEO 1, 3, 4)
2. Demonstrate mastery of chosen repertoire.(GEO 1, 2, 3, 4)
3. Maintain attendance at each rehearsal and performance, including graduation. (GEO 2, 4)

Next Course in Sequence: MUS 2451, National Park College Singers III

MUS 1513 - Private Voice I

3 Credits Individual instruction in singing for beginning and advanced students. Development in all phases of performance: techniques, style, musicianship, interpretation, and repertoire. A jury examination and/or a public recital may be required. Lab Fee.

Prerequisite: Permission of the instructor.

Corequisite: MUS 1100 Performance Lab I

Course Level Objectives

Upon successful completion of this course, the student will be able to:

1. Demonstrate mastery of basic technique. (GEO 1, 2, 3)
2. Apply instructor's suggested modifications to technique in all aspects of performance (GEO 1, 2, 3, 4)
3. Perform beginning-level repertoire appropriate to the student's instrument. (GEO 1, 2, 3)
4. Fully research chosen repertoire. (GEO 2, 3, 4)
5. With instructor, identify and accomplish appropriate performance goals. (GEO 1, 2, 3, 4)

Next Course in Sequence: MUS 1523, Private Voice II

MUS 1523 - Private Voice II

3 Credits Continuation of MUS 1513 - Private Voice I. Lab Fee.

Prerequisite: MUS 1513 Private Voice I; Permission of the instructor.

Course Level Objectives

Upon successful completion of this course, the student will be able to:

1. Demonstrate mastery of growing technique. (GEO 1, 2, 3)
2. Apply instructor's suggested modifications to technique in all aspects of performance (GEO 1, 2, 3, 4)
3. Perform increasingly challenging repertoire appropriate to the student's instrument. (GEO 1, 2, 3)
4. Fully research chosen repertoire. (GEO 2, 3, 4)
5. With instructor, identify and accomplish appropriate performance goals. (GEO 1, 2, 3, 4)

Next Course in Sequence: MUS 2513, Private Voice III

MUS 1533 - Private Piano I

3 Credits Private piano lessons for those who have mastered the keyboard and can read music. Lab Fee.

Prerequisite: Permission of the instructor.

Course Level Objectives

Upon successful completion of this course, the student will be able to:

1. Demonstrate mastery of basic technique. (GEO 1, 2, 3)
2. Apply instructor's suggested modifications to technique in all aspects of performance (GEO 1, 2, 3, 4)
3. Perform beginning-level repertoire appropriate to the student's instrument. (GEO 1, 2, 3)
4. Research chosen repertoire. (GEO 2, 3, 4)
5. With instructor, identify and accomplish appropriate performance goals. (GEO 1, 2, 3, 4)

Next Course in Sequence: MUS 14543, Private Piano II

MUS 1543 - Private Piano II

3 Credits Continuation of MUS 1523 - Private Voice II. Lab Fee.

Prerequisite: MUS 1533 Private Piano I; Permission of the instructor.

Corequisite: MUS 1200 Performance Lab II

Course Level Objectives

Upon successful completion of this course the student will be able to:

1. Demonstrate improved skill using various techniques. (GEO 3)
2. Apply instructor's suggested modifications to technique in all aspects of performance. (GEO 2, 3)
3. Build an increasingly challenging repertoire appropriate to the chosen instrument. (GEO 3)
4. Research chosen repertoire. (GEO 1, 3)
5. Perform compositions selected in collaboration between the instructor and student. (GEO 1, 3, 4)

MUS 1553 - Private Organ I

3 Credits Individual instruction in organ for beginning and advanced students. Development in all phases of performance: technique, style, musicianship, interpretation, and repertoire. A jury examination and/or public recital may be required. Lab Fee.

Prerequisite: Permission of the instructor.

Course Level Objectives

Upon successful completion of this course, the student will be able to:

1. Demonstrate improved skill using various techniques. (GEO 3)
2. Apply instructor's suggested modifications to technique in all aspects of performance. (GEO 2, 3)
3. Build a beginning-level repertoire appropriate to the chosen instrument. (GEO 3)
4. Research chosen repertoire. (GEO 1, 3)

5. Perform compositions selected in collaboration between the instructor and student. (GEO 1, 3, 4)

MUS 1563 - Private Organ II

3 Credits Continuation of MUS 1553 Private Organ I. Lab Fee.

Prerequisite: MUS 1553 Private Organ I; Permission of the instructor.

Corequisite: MUS 1200 Performance Lab II

Course Level Objectives

Upon successful completion of this course the student will be able to:

1. Demonstrate improved skill using various techniques. (GEO 3)
2. Apply instructor's suggested modifications to technique in all aspects of performance. (GEO 2, 3)
3. Build an increasingly challenging repertoire appropriate to the chosen instrument. (GEO 3)
4. Research chosen repertoire. (GEO 1, 3)
5. Perform compositions selected in collaboration between the instructor and student. (GEO 1, 3, 4)

MUS 1613 - Private Flute I

3 Credits Private instrument instruction consists of principles of technical performance on the instrument, performance practice (style) as related to relevant musical literature, and refinement of musical literacy required to interpret progressively challenging repertoire of the instrument. Repertoire and performance assignments will be based on the individual progress of the student. Lab Fee.

Prerequisite: Instructor permission

Corequisite: MUS 1100 Performance Lab I

Course Level Objectives

Upon successful completion of this course, the student will be able to:

1. Demonstrate mastery of basic technique. (GEO 1, 2, 3)
2. Apply instructor's suggested modifications to technique in all aspects of performance (GEO 1, 2, 3, 4)
3. Perform beginning-level repertoire appropriate to the student's instrument. (GEO 1, 2, 3)
4. Research chosen repertoire. (GEO 2, 3, 4)
5. With instructor, identify and accomplish appropriate performance goals. (GEO 1, 2, 3, 4)

Next Course in Sequence: MUS 1623 Private Flute II

MUS 1623 - Private Flute II

3 Credits Private instrument instruction consists of principles of technical performance on the instrument, performance practice (style) as related to relevant musical literature, and refinement of musical literacy required to interpret progressively challenging repertoire of the instrument. Repertoire and performance assignments will be based on the individual progress of the student. Lab Fee.

Prerequisite: MUS 1613 Private Flute I; Instructor permission

Corequisite: MUS 1200 Performance Lab II

Course Level Objectives

Upon successful completion of this course the student will be able to:

1. Demonstrate improved skill using various techniques. (GEO 3)
2. Apply instructor's suggested modifications to technique in all aspects of performance. (GEO 2, 3)
3. Build an increasingly challenging repertoire appropriate to the chosen instrument. (GEO 3)
4. Research chosen repertoire. (GEO 1, 3)
5. Perform compositions selected in collaboration between the instructor and student. (GEO 1, 3, 4)

MUS 1653 - Private Percussion I

3 Credits Private Lessons in the percussion family of instruments, emphasis to be determined by instructor in consultation with student: Orchestral - snare drum, timpani, and the mallet instruments; Drum set - various styles including rock, jazz, and contemporary music. Lab Fee

Course Level Objectives

Upon successful completion of this course, the student will be able to:

1. Demonstrate improved skill using various techniques. (GEO 3)
2. Apply instructor's suggested modifications to technique in all aspects of performance. (GEO 2, 3)
3. Build a beginning-level repertoire appropriate to the chosen instrument. (GEO 3)
4. Research chosen repertoire. (GEO 1, 3)
5. Perform compositions selected in collaboration between the instructor and student. (GEO 1, 3, 4)

Next Course in Sequence: MUS 1663, Private Percussion II

MUS 1663 - Private Percussion II

3 Credits Private Lessons in the percussion family of instruments, emphasis to be determined by instructor in consultation with student: Orchestral - snare drum, timpani, and the mallet instruments; Drum set - various styles including rock, jazz, and contemporary music. Lab Fee

Prerequisite: MUS 1653 Private Percussion I; Instructor consent

Course Level Objectives

Upon successful completion of this course the student will be able to:

1. Demonstrate improved skill using various techniques. (GEO 3)
2. Apply instructor's suggested modifications to technique in all aspects of performance. (GEO 2, 3)
3. Build an increasingly challenging repertoire appropriate to the chosen instrument. (GEO 3)
4. Research chosen repertoire. (GEO 1, 3)
5. Perform compositions selected in collaboration between the instructor and student. (GEO 1, 3, 4)

MUS 1733 - Private Guitar I

3 Credits Individual instruction to prepare the student in classic guitar performance, technique, style, musicianship, interpretation, and repertoire. Minimum requirements are a basic music ability, a good attitude, and a playable classic guitar. A jury examination and/or public recital may be required. Lab Fee.

Prerequisite: Permission of the instructor.

Course Level Objectives

Upon successful completion of this course, the student will be able to:

1. Demonstrate improved skill using various techniques. (GEO 3)
2. Apply instructor's suggested modifications to technique in all aspects of performance. (GEO 2, 3)
3. Build a beginning-level repertoire appropriate to the chosen instrument. (GEO 3)
4. Research chosen repertoire. (GEO 1, 3)
5. Perform compositions selected in collaboration between the instructor and student. (GEO 1, 3, 4)

MUS 1743 - Private Violin I

3 Credits

Private instrument instruction consists of principles of technical performance on the instrument, performance practice (style) as related to relevant musical literature, and refinement of musical literacy required to interpret progressively challenging repertoire of the instrument. Repertoire and performance assignments will be based on the individual progress of the student. Lab Fee

Prerequisite: Instructor consent

Corequisite: MUS 1100 Performance Lab I

Course Level Objectives

Upon successful completion of this course, the student will be able to:

1. Demonstrate improved skill using various techniques. (GEO 3)
2. Apply instructor's suggested modifications to technique in all aspects of performance. (GEO 2, 3)
3. Build a beginning-level repertoire appropriate to the chosen instrument. (GEO 3)
4. Research chosen repertoire. (GEO 1, 3)
5. Perform compositions selected in collaboration between the instructor and student. (GEO 1, 3, 4)

MUS 1753 - Private Violin II

3 Credits

Private instrument instruction consists of principles of technical performance on the instrument, performance practice (style) as related to relevant musical literature, and refinement of musical literacy required to interpret progressively challenging repertoire of the instrument. Repertoire and performance assignments will be based on the individual progress of the student. Lab Fee

Prerequisite: MUS 1743 Private Violin I; Instructor consent

Corequisite: MUS 1200 Performance Lab II

Course Level Objectives

Upon successful completion of this course, the student will be able to:

1. Demonstrate improved skill using various techniques. (GEO 3)
2. Apply instructor's suggested modifications to technique in all aspects of performance. (GEO 2, 3)
3. Build a beginning-level repertoire appropriate to the chosen instrument. (GEO 3)
4. Research chosen repertoire. (GEO 1, 3)
5. Perform compositions selected in collaboration between the instructor and student. (GEO 1, 3, 4)

MUS 1763 - Private Viola I

3 Credits

Private instrument instruction consists of principles of technical performance on the instrument, performance practice (style) as related to relevant musical literature, and refinement of musical literacy

required to interpret progressively challenging repertoire of the instrument. Repertoire and performance assignments will be based on the individual progress of the student. Lab Fee

Prerequisite: Instructor consent

Corequisite: MUS 1100 Performance Lab I

Course Level Objectives

Upon successful completion of this course, the student will be able to:

1. Demonstrate improved skill using various techniques. (GEO 3)
2. Apply instructor's suggested modifications to technique in all aspects of performance. (GEO 2, 3)
3. Build a beginning-level repertoire appropriate to the chosen instrument. (GEO 3)
4. Research chosen repertoire. (GEO 1, 3)
5. Perform compositions selected in collaboration between the instructor and student. (GEO 1, 3, 4)

MUS 1773 - Private Viola II

3 Credits

Private instrument instruction consists of principles of technical performance on the instrument, performance practice (style) as related to relevant musical literature, and refinement of musical literacy required to interpret progressively challenging repertoire of the instrument. Repertoire and performance assignments will be based on the individual progress of the student. Lab Fee

Prerequisite: MUS 1763 Private Viola I; Instructor consent

Corequisite: MUS 1200 Performance Lab II

Course Level Objectives

Upon successful completion of this course the student will be able to:

1. Demonstrate improved skill using various techniques. (GEO 3)
2. Apply instructor's suggested modifications to technique in all aspects of performance. (GEO 2, 3)
3. Build an increasingly challenging repertoire appropriate to the chosen instrument. (GEO 3)
4. Research chosen repertoire. (GEO 1, 3)
5. Perform compositions selected in collaboration between the instructor and student. (GEO 1, 3, 4)

MUS 1783 - Private Cello I

3 Credits

Private instrument instruction consists of principles of technical performance on the instrument, performance practice (style) as related to relevant musical literature, and refinement of musical literacy required to interpret progressively challenging repertoire of the instrument. Repertoire and performance assignments will be based on the individual progress of the student. Lab Fee

Prerequisite: Instructor consent

Corequisite: MUS 1100 Performance Lab I

Course Level Objectives

Upon successful completion of this course, the student will be able to:

1. Demonstrate improved skill using various techniques. (GEO 3)
2. Apply instructor's suggested modifications to technique in all aspects of performance. (GEO 2, 3)
3. Build a beginning-level repertoire appropriate to the chosen instrument. (GEO 3)
4. Research chosen repertoire. (GEO 1, 3)

5. Perform compositions selected in collaboration between the instructor and student. (GEO 1, 3, 4)

MUS 1793 - Private Cello II

3 Credits

Private instrument instruction consists of principles of technical performance on the instrument, performance practice (style) as related to relevant musical literature, and refinement of musical literacy required to interpret progressively challenging repertoire of the instrument. Repertoire and performance assignments will be based on the individual progress of the student. Lab Fee

Prerequisite: MUS 1783 Private Cello I; Instructor consent

Corequisite: MUS 1200 Performance Lab II

Course Level Objectives

Upon successful completion of this course the student will be able to:

1. Demonstrate improved skill using various techniques. (GEO 3)
2. Apply instructor's suggested modifications to technique in all aspects of performance. (GEO 2, 3)
3. Build an increasingly challenging repertoire appropriate to the chosen instrument. (GEO 3)
4. Research chosen repertoire. (GEO 1, 3)
5. Perform compositions selected in collaboration between the instructor and student. (GEO 1, 3, 4)

MUS 1803 - Private String Bass I

3 Credits

Private instrument instruction consists of principles of technical performance on the instrument, performance practice (style) as related to relevant musical literature, and refinement of musical literacy required to interpret progressively challenging repertoire of the instrument. Repertoire and performance assignments will be based on the individual progress of the student. Lab Fee

Prerequisite: Instructor consent

Corequisite: MUS 1100 Performance Lab I

Course Level Objectives

Upon successful completion of this course, the student will be able to:

1. Demonstrate improved skill using various techniques. (GEO 3)
2. Apply instructor's suggested modifications to technique in all aspects of performance. (GEO 2, 3)
3. Build a beginning-level repertoire appropriate to the chosen instrument. (GEO 3)
4. Research chosen repertoire. (GEO 1, 3)
5. Perform compositions selected in collaboration between the instructor and student. (GEO 1, 3, 4)

MUS 1813 - Private String Bass II

3 Credits

Private instrument instruction consists of principles of technical performance on the instrument, performance practice (style) as related to relevant musical literature, and refinement of musical literacy required to interpret progressively challenging repertoire of the instrument. Repertoire and performance assignments will be based on the individual progress of the student. Lab Fee

Prerequisite: MUS 1803 Private String Bass I; Instructor consent

Corequisite: MUS 1200 Performance Lab II

Course Level Objectives

Upon successful completion of this course the student will be able to:

1. Demonstrate improved skill using various techniques. (GEO 3)
2. Apply instructor's suggested modifications to technique in all aspects of performance. (GEO 2, 3)
3. Build an increasingly challenging repertoire appropriate to the chosen instrument. (GEO 3)
4. Research chosen repertoire. (GEO 1, 3)
5. Perform compositions selected in collaboration between the instructor and student. (GEO 1, 3, 4)

MUS 1823 - Private Euphonium I

3 Credits

Private instrument instruction consists of principles of technical performance on the instrument, performance practice (style) as related to relevant musical literature, and refinement of musical literacy required to interpret progressively challenging repertoire of the instrument. Repertoire and performance assignments will be based on the individual progress of the student. Lab Fee

Prerequisite: Instructor consent

Corequisite: MUS 1100 Performance Lab I

Course Level Objectives

Upon successful completion of this course, the student will be able to:

1. Demonstrate improved skill using various techniques. (GEO 3)
2. Apply instructor's suggested modifications to technique in all aspects of performance. (GEO 2, 3)
3. Build a beginning-level repertoire appropriate to the chosen instrument. (GEO 3)
4. Research chosen repertoire. (GEO 1, 3)
5. Perform compositions selected in collaboration between the instructor and student. (GEO 1, 3, 4)

MUS 1833 - Private Euphonium II

3 Credits

Private instrument instruction consists of principles of technical performance on the instrument, performance practice (style) as related to relevant musical literature, and refinement of musical literacy required to interpret progressively challenging repertoire of the instrument. Repertoire and performance assignments will be based on the individual progress of the student. Lab Fee

Prerequisite: MUS 1823 Private Euphonium I; Instructor consent

Corequisite: MUS 1200 Performance Lab II

Course Level Objectives

Upon successful completion of this course the student will be able to:

1. Demonstrate improved skill using various techniques. (GEO 3)
2. Apply instructor's suggested modifications to technique in all aspects of performance. (GEO 2, 3)
3. Build an increasingly challenging repertoire appropriate to the chosen instrument. (GEO 3)
4. Research chosen repertoire. (GEO 1, 3)
5. Perform compositions selected in collaboration between the instructor and student. (GEO 1, 3, 4)

MUS 1843 - Private Horn I

3 Credits

Private instrument instruction consists of principles of technical performance on the instrument, performance practice (style) as related to relevant musical literature, and refinement of musical literacy

required to interpret progressively challenging repertoire of the instrument. Repertoire and performance assignments will be based on the individual progress of the student. Lab Fee

Prerequisite: Instructor consent

Corequisite: MUS 1100 Performance Lab I

Course Level Objectives

Upon successful completion of this course, the student will be able to:

1. Demonstrate improved skill using various techniques. (GEO 3)
2. Apply instructor's suggested modifications to technique in all aspects of performance. (GEO 2, 3)
3. Build a beginning-level repertoire appropriate to the chosen instrument. (GEO 3)
4. Research chosen repertoire. (GEO 1, 3)
5. Perform compositions selected in collaboration between the instructor and student. (GEO 1, 3, 4)

MUS 1853 - Private Horn II

3 Credits

Private instrument instruction consists of principles of technical performance on the instrument, performance practice (style) as related to relevant musical literature, and refinement of musical literacy required to interpret progressively challenging repertoire of the instrument. Repertoire and performance assignments will be based on the individual progress of the student. Lab Fee

Prerequisite: MUS 1843 Private Horn I; Instructor consent

Corequisite: MUS 1200 Performance Lab II

Course Level Objectives

Upon successful completion of this course the student will be able to:

1. Demonstrate improved skill using various techniques. (GEO 3)
2. Apply instructor's suggested modifications to technique in all aspects of performance. (GEO 2, 3)
3. Build an increasingly challenging repertoire appropriate to the chosen instrument. (GEO 3)
4. Research chosen repertoire. (GEO 1, 3)
5. Perform compositions selected in collaboration between the instructor and student. (GEO 1, 3, 4)

MUS 1863 - Private Trombone I

3 Credits

Private instrument instruction consists of principles of technical performance on the instrument, performance practice (style) as related to relevant musical literature, and refinement of musical literacy required to interpret progressively challenging repertoire of the instrument. Repertoire and performance assignments will be based on the individual progress of the student. Lab Fee

Prerequisite: Instructor consent

Corequisite: MUS 1100 Performance Lab I

Course Level Objectives

Upon successful completion of this course, the student will be able to:

1. Demonstrate improved skill using various techniques. (GEO 3)
2. Apply instructor's suggested modifications to technique in all aspects of performance. (GEO 2, 3)
3. Build a beginning-level repertoire appropriate to the chosen instrument. (GEO 3)
4. Research chosen repertoire. (GEO 1, 3)

5. Perform compositions selected in collaboration between the instructor and student. (GEO 1, 3, 4)

MUS 1873 - Private Trombone II

3 Credits

Private instrument instruction consists of principles of technical performance on the instrument, performance practice (style) as related to relevant musical literature, and refinement of musical literacy required to interpret progressively challenging repertoire of the instrument. Repertoire and performance assignments will be based on the individual progress of the student. Lab Fee

Prerequisite: MUS 1863 Private Trombone I; Instructor consent

Corequisite: MUS 1200 Performance Lab II

Course Level Objectives

Upon successful completion of this course the student will be able to:

1. Demonstrate improved skill using various techniques. (GEO 3)
2. Apply instructor's suggested modifications to technique in all aspects of performance. (GEO 2, 3)
3. Build an increasingly challenging repertoire appropriate to the chosen instrument. (GEO 3)
4. Research chosen repertoire. (GEO 1, 3)
5. Perform compositions selected in collaboration between the instructor and student. (GEO 1, 3, 4)

MUS 1883 - Private Trumpet I

3 Credits

Private instrument instruction consists of principles of technical performance on the instrument, performance practice (style) as related to relevant musical literature, and refinement of musical literacy required to interpret progressively challenging repertoire of the instrument. Repertoire and performance assignments will be based on the individual progress of the student. Lab Fee

Prerequisite: Instructor consent

Corequisite: MUS 1100 Performance Lab I

Course Level Objectives

Upon successful completion of this course, the student will be able to:

1. Demonstrate improved skill using various techniques. (GEO 3)
2. Apply instructor's suggested modifications to technique in all aspects of performance. (GEO 2, 3)
3. Build a beginning-level repertoire appropriate to the chosen instrument. (GEO 3)
4. Research chosen repertoire. (GEO 1, 3)
5. Perform compositions selected in collaboration between the instructor and student. (GEO 1, 3, 4)

MUS 1893 - Private Trumpet II

3 Credits

Private instrument instruction consists of principles of technical performance on the instrument, performance practice (style) as related to relevant musical literature, and refinement of musical literacy required to interpret progressively challenging repertoire of the instrument. Repertoire and performance assignments will be based on the individual progress of the student. Lab Fee

Prerequisite: MUS 1883 Private Trumpet I; Instructor consent

Corequisite: MUS 1200 Performance Lab II

Course Level Objectives

Upon successful completion of this course the student will be able to:

1. Demonstrate improved skill using various techniques. (GEO 3)
2. Apply instructor's suggested modifications to technique in all aspects of performance. (GEO 2, 3)
3. Build an increasingly challenging repertoire appropriate to the chosen instrument. (GEO 3)
4. Research chosen repertoire. (GEO 1, 3)
5. Perform compositions selected in collaboration between the instructor and student. (GEO 1, 3, 4)

Next Course in Sequence: MUS 2883 Private Trumpet III

MUS 1903 - Private Tuba I

3 Credits

Private instrument instruction consists of principles of technical performance on the instrument, performance practice (style) as related to relevant musical literature, and refinement of musical literacy required to interpret progressively challenging repertoire of the instrument. Repertoire and performance assignments will be based on the individual progress of the student. Lab Fee

Prerequisite: Instructor consent

Corequisite: MUS 1100 Performance Lab I

Course Level Objectives

Upon successful completion of this course, the student will be able to:

1. Demonstrate improved skill using various techniques. (GEO 3)
2. Apply instructor's suggested modifications to technique in all aspects of performance. (GEO 2, 3)
3. Build a beginning-level repertoire appropriate to the chosen instrument. (GEO 3)
4. Research chosen repertoire. (GEO 1, 3)
5. Perform compositions selected in collaboration between the instructor and student. (GEO 1, 3, 4)

MUS 1913 - Private Tuba II

3 Credits

Private instrument instruction consists of principles of technical performance on the instrument, performance practice (style) as related to relevant musical literature, and refinement of musical literacy required to interpret progressively challenging repertoire of the instrument. Repertoire and performance assignments will be based on the individual progress of the student. Lab Fee

Prerequisite: MUS 1903 Private Tuba I; Instructor consent

Corequisite: MUS 1200 Performance Lab II

Course Level Objectives

Upon successful completion of this course the student will be able to:

1. Demonstrate improved skill using various techniques. (GEO 3)
2. Apply instructor's suggested modifications to technique in all aspects of performance. (GEO 2, 3)
3. Build an increasingly challenging repertoire appropriate to the chosen instrument. (GEO 3)
4. Research chosen repertoire. (GEO 1, 3)
5. Perform compositions selected in collaboration between the instructor and student. (GEO 1, 3, 4)

MUS 1923 - Private Bassoon I

3 Credits

Private instrument instruction consists of principles of technical performance on the instrument, performance practice (style) as related to relevant musical literature, and refinement of musical literacy required to interpret progressively challenging repertoire of the instrument. Repertoire and performance assignments will be based on the individual progress of the student. Lab Fee

Prerequisite: Instructor consent

Corequisite: MUS 1100 Performance Lab I

Course Level Objectives

Upon successful completion of this course, the student will be able to:

1. Demonstrate improved skill using various techniques. (GEO 3)
2. Apply instructor's suggested modifications to technique in all aspects of performance. (GEO 2, 3)
3. Build a beginning-level repertoire appropriate to the chosen instrument. (GEO 3)
4. Research chosen repertoire. (GEO 1, 3)
5. Perform compositions selected in collaboration between the instructor and student. (GEO 1, 3, 4)

MUS 1933 - Private Bassoon II

3 Credits

Private instrument instruction consists of principles of technical performance on the instrument, performance practice (style) as related to relevant musical literature, and refinement of musical literacy required to interpret progressively challenging repertoire of the instrument. Repertoire and performance assignments will be based on the individual progress of the student. Lab Fee

Prerequisite: MUS 1923 Private Bassoon I; Instructor consent

Corequisite: MUS 1200 Performance Lab II

Course Level Objectives

Upon successful completion of this course the student will be able to:

1. Demonstrate improved skill using various techniques. (GEO 3)
2. Apply instructor's suggested modifications to technique in all aspects of performance. (GEO 2, 3)
3. Build an increasingly challenging repertoire appropriate to the chosen instrument. (GEO 3)
4. Research chosen repertoire. (GEO 1, 3)
5. Perform compositions selected in collaboration between the instructor and student. (GEO 1, 3, 4)

MUS 1943 - Private Clarinet I

3 Credits

Private instrument instruction consists of principles of technical performance on the instrument, performance practice (style) as related to relevant musical literature, and refinement of musical literacy required to interpret progressively challenging repertoire of the instrument. Repertoire and performance assignments will be based on the individual progress of the student. Lab Fee

Prerequisite: Instructor consent

Corequisite: MUS 1100 Performance Lab I

Course Level Objectives

Upon successful completion of this course, the student will be able to:

1. Demonstrate improved skill using various techniques. (GEO 3)
2. Apply instructor's suggested modifications to technique in all aspects of performance. (GEO 2, 3)
3. Build a beginning-level repertoire appropriate to the chosen instrument. (GEO 3)
4. Research chosen repertoire. (GEO 1, 3)
5. Perform compositions selected in collaboration between the instructor and student. (GEO 1, 3, 4)

MUS 1953 - Private Clarinet II

3 Credits

Private instrument instruction consists of principles of technical performance on the instrument, performance practice (style) as related to relevant musical literature, and refinement of musical literacy required to interpret progressively challenging repertoire of the instrument. Repertoire and performance assignments will be based on the individual progress of the student. Lab Fee

Prerequisite: MUS 1943 Private Clarinet I; Instructor consent

Corequisite: MUS 1200 Performance Lab II

Course Level Objectives

Upon successful completion of this course the student will be able to:

1. Demonstrate improved skill using various techniques. (GEO 3)
2. Apply instructor's suggested modifications to technique in all aspects of performance. (GEO 2, 3)
3. Build an increasingly challenging repertoire appropriate to the chosen instrument. (GEO 3)
4. Research chosen repertoire. (GEO 1, 3)
5. Perform compositions selected in collaboration between the instructor and student. (GEO 1, 3, 4)

MUS 1963 - Private Oboe I

3 Credits

Private instrument instruction consists of principles of technical performance on the instrument, performance practice (style) as related to relevant musical literature, and refinement of musical literacy required to interpret progressively challenging repertoire of the instrument. Repertoire and performance assignments will be based on the individual progress of the student. Lab Fee

Prerequisite: Instructor consent

Corequisite: MUS 1100 Performance Lab I

Course Level Objectives

Upon successful completion of this course, the student will be able to:

1. Demonstrate improved skill using various techniques. (GEO 3)
2. Apply instructor's suggested modifications to technique in all aspects of performance. (GEO 2, 3)
3. Build a beginning-level repertoire appropriate to the chosen instrument. (GEO 3)
4. Research chosen repertoire. (GEO 1, 3)
5. Perform compositions selected in collaboration between the instructor and student. (GEO 1, 3, 4)

MUS 1973 - Private Oboe II

3 Credits

Private instrument instruction consists of principles of technical performance on the instrument, performance practice (style) as related to relevant musical literature, and refinement of musical literacy

required to interpret progressively challenging repertoire of the instrument. Repertoire and performance assignments will be based on the individual progress of the student. Lab Fee

Prerequisite: MUS 1963 Private Oboe I; Instructor consent

Corequisite: MUS 1200 Performance Lab II

Course Level Objectives

Upon successful completion of this course the student will be able to:

1. Demonstrate improved skill using various techniques. (GEO 3)
2. Apply instructor's suggested modifications to technique in all aspects of performance. (GEO 2, 3)
3. Build an increasingly challenging repertoire appropriate to the chosen instrument. (GEO 3)
4. Research chosen repertoire. (GEO 1, 3)
5. Perform compositions selected in collaboration between the instructor and student. (GEO 1, 3, 4)

MUS 1983 - Private Saxophone I

3 Credits

Private instrument instruction consists of principles of technical performance on the instrument, performance practice (style) as related to relevant musical literature, and refinement of musical literacy required to interpret progressively challenging repertoire of the instrument. Repertoire and performance assignments will be based on the individual progress of the student. Lab Fee

Prerequisite: Instructor consent

Corequisite: MUS 1100 Performance Lab I

Course Level Objectives

Upon successful completion of this course, the student will be able to:

1. Demonstrate improved skill using various techniques. (GEO 3)
2. Apply instructor's suggested modifications to technique in all aspects of performance. (GEO 2, 3)
3. Build a beginning-level repertoire appropriate to the chosen instrument. (GEO 3)
4. Research chosen repertoire. (GEO 1, 3)
5. Perform compositions selected in collaboration between the instructor and student. (GEO 1, 3, 4)

MUS 1993 - Private Saxophone II

3 Credits

Private instrument instruction consists of principles of technical performance on the instrument, performance practice (style) as related to relevant musical literature, and refinement of musical literacy required to interpret progressively challenging repertoire of the instrument. Repertoire and performance assignments will be based on the individual progress of the student. Lab Fee

Prerequisite: MUS 1983 Private Saxophone I; Instructor consent

Corequisite: MUS 1200 Performance Lab II

Course Level Objectives

Upon successful completion of this course the student will be able to:

1. Demonstrate improved skill using various techniques. (GEO 3)
2. Apply instructor's suggested modifications to technique in all aspects of performance. (GEO 2, 3)
3. Build an increasingly challenging repertoire appropriate to the chosen instrument. (GEO 3)
4. Research chosen repertoire. (GEO 1, 3)

5. Perform compositions selected in collaboration between the instructor and student. (GEO 1, 3, 4)

MUS 2100 - Performance Lab III

0 Credits

Performance Lab is taken in coordination with applied vocal or instrumental music study and consists of one meeting per week in which students perform for their instructor and fellow music students. After each performance, immediate feedback is offered by the instructor ranging from application of principles of technical performance to actual repertoire before an audience, performance practice (style) as related to relevant musical literature, and refinement of musical literacy required to interpret progressively challenging repertoire of the instrument. Repertoire and performance assignments will be based on the individual progress of the student. When not performing in Performance Lab, students are expected to attentively study the work of instructor and performer, applying the public demonstration to their own work.

Prerequisite: Consent of instructor

Corequisite: Enrollment in related course of Applied Study (MUS 1XX3 or MUS 2XX3)

Course Level Objectives

Upon successful completion of this course, the student will be able to:

1. Demonstrate improved skill using various techniques. (GEO 3)
2. Apply instructor's suggested modifications to technique in all aspects of performance. (GEO 2, 3)
3. Build an increasingly challenging repertoire. (GEO 1, 3)
4. Research chosen repertoire. (GEO 1, 3)
5. Perform compositions selected in collaboration between the instructor and student. (GEO 1, 3, 4)

MUS 2200 - Performance Lab IV

0 Credits

Performance Lab is taken in coordination with applied vocal or instrumental music study and consists of one meeting per week in which students perform for their instructor and fellow music students. After each performance, immediate feedback is offered by the instructor ranging from application of principles of technical performance to actual repertoire before an audience, performance practice (style) as related to relevant musical literature, and refinement of musical literacy required to interpret progressively challenging repertoire of the instrument. Repertoire and performance assignments will be based on the individual progress of the student. When not performing in Performance Lab, students are expected to attentively study the work of instructor and performer, applying the public demonstration to their own work.

Prerequisite: Consent of instructor

Corequisite: Enrollment in related course of Applied Study (MUS 1XX3 or MUS 2XX3)

MUS 2451 - National Park College Singers III

1 Credits

Continuation of MUS 1461 - National Park College Singers II.

Course Level Objectives

Upon successful completion of this course, the student will be able to:

1. Demonstrate appropriate rehearsal behavior toward the conductor (instructor), pianist and all fellow singers. (GEO 1, 3, 4)
2. Demonstrate mastery of chosen repertoire. (GEO 1, 2, 3, 4)
3. Maintain attendance at each rehearsal and performance, including graduation. (GEO 2, 4)

Next Course in Sequence: MUS 2461, National Park College Singers IV

MUS 2461 - National Park College Singers IV

1 Credits

Continuation of MUS 2451 - National Park College Singers III.

Course Level Objectives

Upon successful completion of this course, the student will be able to:

1. Demonstrate appropriate rehearsal behavior toward the conductor (instructor), pianist and all fellow singers. (GEO 1, 3, 4)
2. Demonstrate mastery of chosen repertoire. (GEO 1, 2, 3, 4)
3. Maintain attendance at each rehearsal and performance, including graduation. (GEO 2, 4)

MUS 2513 - Private Voice III

3 Credits

Continuation of MUS 1523 - Private Voice II. Lab Fee.

Prerequisite: MUS 1523 Private Voice II; Permission of the instructor.

Corequisite: MUS 2100 Performance Lab III

Course Level Objectives

Upon successful completion of this course the student will be able to:

1. Demonstrate improved skill using various techniques. (GEO 3)
2. Apply instructor's suggested modifications to technique in all aspects of performance. (GEO 2, 3)
3. Build an increasingly challenging repertoire appropriate to the chosen instrument. (GEO 3)
4. Research chosen repertoire. (GEO 1, 3)
5. Perform compositions selected in collaboration between the instructor and student. (GEO 1, 3, 4)

Next Course in Sequence: MUS 2523, Private Voice IV

MUS 2523 - Private Voice IV

3 Credits

Continuation of MUS 2513 - Private Voice III. Lab Fee.

Prerequisite: MUS 2513 Private Voice III; Permission of the instructor.

Corequisite: MUS 2200 Performance Lab IV

Course Level Objectives

Upon successful completion of this course the student will be able to:

1. Demonstrate improved skill using various technique. (GEO 1, 2, 3)
2. Apply instructor's suggested modifications to technique in all aspects of performance. (GEO 1, 2, 3, 4)
3. Build an increasingly challenging repertoire appropriate to the student's instrument. (GEO 1, 2, 3)
4. Research chosen repertoire. (GEO 2, 3, 4)
5. Perform compositions selected in collaboration between the instructor and student. (GEO 3, 4)

MUS 2533 - Private Piano III

3 Credits

Continuation of MUS 1543 - Private Piano II. Lab Fee.

Prerequisite: MUS 1543 Private Piano II; Permission of the instructor.

Course Level Objectives

Upon successful completion of this course the student will be able to:

1. Demonstrate improved skill using various techniques. (GEO 3)
2. Apply instructor's suggested modifications to technique in all aspects of performance. (GEO 2, 3)
3. Build an increasingly challenging repertoire appropriate to the chosen instrument. (GEO 3)
4. Research chosen repertoire. (GEO 1, 3)
5. Perform compositions selected in collaboration between the instructor and student. (GEO 1, 3, 4)

MUS 2543 - Private Piano IV

3 Credits

Continuation of MUS 2533 - Private Piano III. Lab Fee.

Prerequisite: MUS 2533 Private Piano III; Permission of the instructor.

Course Level Objectives

Upon successful completion of this course the student will be able to:

1. Demonstrate mastery of growing technique. (GEO 1, 2, 3)
2. Apply instructor's suggested modifications to technique in all aspects of performance (GEO 1, 2, 3, 4)
3. Perform increasingly challenging repertoire appropriate to the student's instrument. (GEO 1, 2, 3)
4. Research chosen repertoire. (GEO 2, 3, 4)

MUS 2553 - Private Organ III

3 Credits

Continuation of MUS 1563 Private Organ II. Lab Fee

Prerequisite: MUS 1563 Private Organ II; instructor permission

Course Level Objectives

Upon successful completion of this course the student will be able to:

1. Demonstrate improved skill using various techniques. (GEO 3)
2. Apply instructor's suggested modifications to technique in all aspects of performance. (GEO 2, 3)
3. Build an increasingly challenging repertoire appropriate to the chosen instrument. (GEO 3)
4. Research chosen repertoire. (GEO 1, 3)
5. Perform compositions selected in collaboration between the instructor and student. (GEO 1, 3, 4)

MUS 2563 - Private Organ IV

3 Credits

Continuation of MUS 2553 Private Organ III. Lab Fee

Prerequisite: MUS 2553 Private Organ III; instructor permission

Course Level Objectives

Upon successful completion of this course the student will be able to:

1. Demonstrate improved skill using various technique. (GEO 1, 2, 3)
2. Apply instructor's suggested modifications to technique in all aspects of performance. (GEO 1, 2, 3, 4)
3. Build an increasingly challenging repertoire appropriate to the student's instrument. (GEO 1, 2, 3)
4. Research chosen repertoire. (GEO 2, 3, 4)
5. Perform compositions selected in collaboration between the instructor and student. (GEO 3, 4)

MUS 2613 - Private Woodwind III

3 Credits

Continuation of MUS 1613 - Private Flute I. Lab Fee.

Prerequisite: Permission of the instructor.

Course Level Objectives

Upon successful completion of this course the student will be able to:

1. Demonstrate improved skill using various techniques. (GEO 3)
2. Apply instructor's suggested modifications to technique in all aspects of performance. (GEO 2, 3)
3. Build an increasingly challenging repertoire appropriate to the chosen instrument. (GEO 3)
4. Research chosen repertoire. (GEO 1, 3)
5. Perform compositions selected in collaboration between the instructor and student. (GEO 1, 3, 4)

MUS 2623 - Private Woodwind IV

3 Credits

Continuation of MUS 2613 - Private Woodwind III. Lab Fee.

Prerequisite: MUS 2613 Private Woodwind III; Permission of the instructor.

Course Level Objectives

Upon successful completion of this course the student will be able to:

1. Demonstrate improved skill using various technique. (GEO 1, 2, 3)
2. Apply instructor's suggested modifications to technique in all aspects of performance. (GEO 1, 2, 3, 4)
3. Build an increasingly challenging repertoire appropriate to the student's instrument. (GEO 1, 2, 3)
4. Research chosen repertoire. (GEO 2, 3, 4)
5. Perform compositions selected in collaboration between the instructor and student. (GEO 3, 4)

MUS 2653 - Private Percussion III

3 Credits

Private Lessons in the percussion family of instruments, emphasis to be determined by instructor in consultation with student: Orchestral - snare drum, timpani, and the mallet instruments; Drum set - various styles including rock, jazz, and contemporary music. Lab Fee

Prerequisite: MUS 1663 Private Percussion II; Instructors consent

Course Level Objectives

Upon successful completion of this course the student will be able to:

1. Demonstrate improved skill using various techniques. (GEO 3)
2. Apply instructor's suggested modifications to technique in all aspects of performance. (GEO 2, 3)
3. Build an increasingly challenging repertoire appropriate to the chosen instrument. (GEO 3)
4. Research chosen repertoire. (GEO 1, 3)

5. Perform compositions selected in collaboration between the instructor and student. (GEO 1, 3, 4)

MUS 2663 - Private Flute III

3 Credits

Private instrument instruction consists of principles of technical performance on the instrument, performance practice (style) as related to relevant musical literature, and refinement of musical literacy required to interpret progressively challenging repertoire of the instrument. Repertoire and performance assignments will be based on the individual progress of the student. Lab Fee

Prerequisite: MUS 1623 Private Flute II; Instructor consent

Corequisite: MUS 2100 Performance Lab III

Course Level Objectives

Upon successful completion of this course the student will be able to:

1. Demonstrate improved skill using various techniques. (GEO 3)
2. Apply instructor's suggested modifications to technique in all aspects of performance. (GEO 2, 3)
3. Build an increasingly challenging repertoire appropriate to the chosen instrument. (GEO 3)
4. Research chosen repertoire. (GEO 1, 3)
5. Perform compositions selected in collaboration between the instructor and student. (GEO 1, 3, 4)

MUS 2673 - Private Flute IV

3 Credits

Private instrument instruction consists of principles of technical performance on the instrument, performance practice (style) as related to relevant musical literature, and refinement of musical literacy required to interpret progressively challenging repertoire of the instrument. Repertoire and performance assignments will be based on the individual progress of the student. Lab Fee

Prerequisite: MUS 2663 Private Flute III; Instructor consent

Corequisite: MUS 2200 Performance Lab IV

Course Level Objectives

Upon successful completion of this course the student will be able to:

1. Demonstrate improved skill using various technique. (GEO 1, 2, 3)
2. Apply instructor's suggested modifications to technique in all aspects of performance. (GEO 1, 2, 3, 4)
3. Build an increasingly challenging repertoire appropriate to the student's instrument. (GEO 1, 2, 3)
4. Research chosen repertoire. (GEO 2, 3, 4)
5. Perform compositions selected in collaboration between the instructor and student. (GEO 3, 4)

MUS 2733 - Private Percussion IV

3 Credits

Private instrument instruction consists of principles of technical performance on the instrument, performance practice (style) as related to relevant musical literature, and refinement of musical literacy required to interpret progressively challenging repertoire of the instrument. Repertoire and performance assignments will be based on the individual progress of the student. Lab Fee

Prerequisite: MUS 2653 Private Percussion III; Instructor permission

Corequisite: MUS 2200 Performance Lab IV

Course Level Objectives

Upon successful completion of this course the student will be able to:

1. Demonstrate improved skill using various technique. (GEO 1, 2, 3)
2. Apply instructor's suggested modifications to technique in all aspects of performance. (GEO 1, 2, 3, 4)
3. Build an increasingly challenging repertoire appropriate to the student's instrument. (GEO 1, 2, 3)
4. Research chosen repertoire. (GEO 2, 3, 4)
5. Perform compositions selected in collaboration between the instructor and student. (GEO 3, 4)

MUS 2743 - Private Violin III

3 Credits

Private instrument instruction consists of principles of technical performance on the instrument, performance practice (style) as related to relevant musical literature, and refinement of musical literacy required to interpret progressively challenging repertoire of the instrument. Repertoire and performance assignments will be based on the individual progress of the student. Lab Fee

Prerequisite: MUS 1753 Private Violin II; Instructor consent

Corequisite: MUS 2100 Performance Lab III

Course Level Objectives

Upon successful completion of this course the student will be able to:

1. Demonstrate improved skill using various techniques. (GEO 3)
2. Apply instructor's suggested modifications to technique in all aspects of performance. (GEO 2, 3)
3. Build an increasingly challenging repertoire appropriate to the chosen instrument. (GEO 3)
4. Research chosen repertoire. (GEO 1, 3)
5. Perform compositions selected in collaboration between the instructor and student. (GEO 1, 3, 4)

MUS 2753 - Private Violin IV

3 Credits

Private instrument instruction consists of principles of technical performance on the instrument, performance practice (style) as related to relevant musical literature, and refinement of musical literacy required to interpret progressively challenging repertoire of the instrument. Repertoire and performance assignments will be based on the individual progress of the student. Lab Fee

Prerequisite: MUS 2743 Private Violin III; Instructor consent

Corequisite: MUS 2200 Performance Lab IV

Course Level Objectives

Upon successful completion of this course the student will be able to:

1. Demonstrate improved skill using various technique. (GEO 1, 2, 3)
2. Apply instructor's suggested modifications to technique in all aspects of performance. (GEO 1, 2, 3, 4)
3. Build an increasingly challenging repertoire appropriate to the student's instrument. (GEO 1, 2, 3)
4. Research chosen repertoire. (GEO 2, 3, 4)
5. Perform compositions selected in collaboration between the instructor and student. (GEO 3, 4)

MUS 2763 - Private Viola III

3 Credits

Private instrument instruction consists of principles of technical performance on the instrument, performance practice (style) as related to relevant musical literature, and refinement of musical literacy

required to interpret progressively challenging repertoire of the instrument. Repertoire and performance assignments will be based on the individual progress of the student. Lab Fee

Prerequisite: MUS 1773 Private Viola II; Instructor consent

Corequisite: MUS 2100 Performance Lab III

Course Level Objectives

Upon successful completion of this course the student will be able to:

1. Demonstrate improved skill using various techniques. (GEO 3)
2. Apply instructor's suggested modifications to technique in all aspects of performance. (GEO 2, 3)
3. Build an increasingly challenging repertoire appropriate to the chosen instrument. (GEO 3)
4. Research chosen repertoire. (GEO 1, 3)
5. Perform compositions selected in collaboration between the instructor and student. (GEO 1, 3, 4)

MUS 2773 - Private Viola IV

3 Credits

Private instrument instruction consists of principles of technical performance on the instrument, performance practice (style) as related to relevant musical literature, and refinement of musical literacy required to interpret progressively challenging repertoire of the instrument. Repertoire and performance assignments will be based on the individual progress of the student. Lab Fee

Prerequisite: MUS 2763 Private Viola III; Instructor consent

Corequisite: MUS 2200 Performance Lab IV

Course Level Objectives

Upon successful completion of this course the student will be able to:

1. Demonstrate improved skill using various technique. (GEO 1, 2, 3)
2. Apply instructor's suggested modifications to technique in all aspects of performance. (GEO 1, 2, 3, 4)
3. Build an increasingly challenging repertoire appropriate to the student's instrument. (GEO 1, 2, 3)
4. Research chosen repertoire. (GEO 2, 3, 4)
5. Perform compositions selected in collaboration between the instructor and student. (GEO 3, 4)

MUS 2783 - Private Cello III

3 Credits

Private instrument instruction consists of principles of technical performance on the instrument, performance practice (style) as related to relevant musical literature, and refinement of musical literacy required to interpret progressively challenging repertoire of the instrument. Repertoire and performance assignments will be based on the individual progress of the student. Lab Fee

Prerequisite: MUS 1793 Private Cello II; Instructor consent

Corequisite: MUS 2100 Performance Lab III

Course Level Objectives

Upon successful completion of this course the student will be able to:

1. Demonstrate improved skill using various techniques. (GEO 3)
2. Apply instructor's suggested modifications to technique in all aspects of performance. (GEO 2, 3)
3. Build an increasingly challenging repertoire appropriate to the chosen instrument. (GEO 3)
4. Research chosen repertoire. (GEO 1, 3)

5. Perform compositions selected in collaboration between the instructor and student. (GEO 1, 3, 4)

MUS 2793 - Private Cello IV

3 Credits

Private instrument instruction consists of principles of technical performance on the instrument, performance practice (style) as related to relevant musical literature, and refinement of musical literacy required to interpret progressively challenging repertoire of the instrument. Repertoire and performance assignments will be based on the individual progress of the student. Lab Fee

Prerequisite: MUS 2783 Private Cello III; Instructor consent

Course Level Objectives

Upon successful completion of this course the student will be able to:

1. Demonstrate improved skill using various technique. (GEO 1, 2, 3)
2. Apply instructor's suggested modifications to technique in all aspects of performance. (GEO 1, 2, 3, 4)
3. Build an increasingly challenging repertoire appropriate to the student's instrument. (GEO 1, 2, 3)
4. Research chosen repertoire. (GEO 2, 3, 4)
5. Perform compositions selected in collaboration between the instructor and student. (GEO 3, 4)

MUS 2803 - Private String Bass III

3 Credits

Private instrument instruction consists of principles of technical performance on the instrument, performance practice (style) as related to relevant musical literature, and refinement of musical literacy required to interpret progressively challenging repertoire of the instrument. Repertoire and performance assignments will be based on the individual progress of the student. Lab Fee

Prerequisite: MUS 1813 Private String Bass II; Instructor consent

Corequisite: MUS 2100 Performance Lab III

Course Level Objectives

Upon successful completion of this course the student will be able to:

1. Demonstrate improved skill using various techniques. (GEO 3)
2. Apply instructor's suggested modifications to technique in all aspects of performance. (GEO 2, 3)
3. Build an increasingly challenging repertoire appropriate to the chosen instrument. (GEO 3)
4. Research chosen repertoire. (GEO 1, 3)
5. Perform compositions selected in collaboration between the instructor and student. (GEO 1, 3, 4)

MUS 2813 - Private String Bass IV

3 Credits

Private instrument instruction consists of principles of technical performance on the instrument, performance practice (style) as related to relevant musical literature, and refinement of musical literacy required to interpret progressively challenging repertoire of the instrument. Repertoire and performance assignments will be based on the individual progress of the student. Lab Fee

Prerequisite: MUS 2803 Private String Bass III; Instructor consent

Corequisite: MUS 2200 Performance Lab IV

Course Level Objectives

Upon successful completion of this course the student will be able to:

1. Demonstrate improved skill using various technique. (GEO 1, 2, 3)
2. Apply instructor's suggested modifications to technique in all aspects of performance. (GEO 1, 2, 3, 4)
3. Build an increasingly challenging repertoire appropriate to the student's instrument. (GEO 1, 2, 3)
4. Research chosen repertoire. (GEO 2, 3, 4)
5. Perform compositions selected in collaboration between the instructor and student. (GEO 3, 4)

MUS 2823 - Private Euphonium III

3 Credits

Private instrument instruction consists of principles of technical performance on the instrument, performance practice (style) as related to relevant musical literature, and refinement of musical literacy required to interpret progressively challenging repertoire of the instrument. Repertoire and performance assignments will be based on the individual progress of the student. Lab Fee

Prerequisite: MUS 1833 Private Euphonium II; Instructor consent

Corequisite: MUS 2100 Performance Lab III

Course Level Objectives

Upon successful completion of this course the student will be able to:

1. Demonstrate improved skill using various techniques. (GEO 3)
2. Apply instructor's suggested modifications to technique in all aspects of performance. (GEO 2, 3)
3. Build an increasingly challenging repertoire appropriate to the chosen instrument. (GEO 3)
4. Research chosen repertoire. (GEO 1, 3)
5. Perform compositions selected in collaboration between the instructor and student. (GEO 1, 3, 4)

MUS 2833 - Private Euphonium IV

3 Credits

Private instrument instruction consists of principles of technical performance on the instrument, performance practice (style) as related to relevant musical literature, and refinement of musical literacy required to interpret progressively challenging repertoire of the instrument. Repertoire and performance assignments will be based on the individual progress of the student. Lab Fee

Prerequisite: MUS 2823 Private Euphonium III; Instructor consent

Corequisite: MUS 2200 Performance Lab IV

Course Level Objectives

Upon successful completion of this course the student will be able to:

1. Demonstrate improved skill using various technique. (GEO 1, 2, 3)
2. Apply instructor's suggested modifications to technique in all aspects of performance. (GEO 1, 2, 3, 4)
3. Build an increasingly challenging repertoire appropriate to the student's instrument. (GEO 1, 2, 3)
4. Research chosen repertoire. (GEO 2, 3, 4)
5. Perform compositions selected in collaboration between the instructor and student. (GEO 3, 4)

MUS 2843 - Private Horn III

3 Credits

Private instrument instruction consists of principles of technical performance on the instrument, performance practice (style) as related to relevant musical literature, and refinement of musical literacy

required to interpret progressively challenging repertoire of the instrument. Repertoire and performance assignments will be based on the individual progress of the student. Lab Fee

Prerequisite: MUS 1853 Private Horn II; Instructor consent

Corequisite: MUS 2100 Performance Lab III

Course Level Objectives

Upon successful completion of this course the student will be able to:

1. Demonstrate improved skill using various techniques. (GEO 3)
2. Apply instructor's suggested modifications to technique in all aspects of performance. (GEO 2, 3)
3. Build an increasingly challenging repertoire appropriate to the chosen instrument. (GEO 3)
4. Research chosen repertoire. (GEO 1, 3)
5. Perform compositions selected in collaboration between the instructor and student. (GEO 1, 3, 4)

MUS 2853 - Private Horn IV

3 Credits

Private instrument instruction consists of principles of technical performance on the instrument, performance practice (style) as related to relevant musical literature, and refinement of musical literacy required to interpret progressively challenging repertoire of the instrument. Repertoire and performance assignments will be based on the individual progress of the student. Lab Fee

Prerequisite: MUS 2843 Private Horn III; Instructor consent

Corequisite: MUS 2200 Performance Lab IV

Course Level Objectives

Upon successful completion of this course the student will be able to:

1. Demonstrate improved skill using various technique. (GEO 1, 2, 3)
2. Apply instructor's suggested modifications to technique in all aspects of performance. (GEO 1, 2, 3, 4)
3. Build an increasingly challenging repertoire appropriate to the student's instrument. (GEO 1, 2, 3)
4. Research chosen repertoire. (GEO 2, 3, 4)
5. Perform compositions selected in collaboration between the instructor and student. (GEO 3, 4)

MUS 2863 - Private Trombone III

3 Credits

Private instrument instruction consists of principles of technical performance on the instrument, performance practice (style) as related to relevant musical literature, and refinement of musical literacy required to interpret progressively challenging repertoire of the instrument. Repertoire and performance assignments will be based on the individual progress of the student. Lab Fee

Prerequisite: MUS 1873 Private Trombone II; Instructor consent

Corequisite: MUS 2100 Performance Lab III

Course Level Objectives

Upon successful completion of this course the student will be able to:

1. Demonstrate improved skill using various techniques. (GEO 3)
2. Apply instructor's suggested modifications to technique in all aspects of performance. (GEO 2, 3)
3. Build an increasingly challenging repertoire appropriate to the chosen instrument. (GEO 3)
4. Research chosen repertoire. (GEO 1, 3)

5. Perform compositions selected in collaboration between the instructor and student. (GEO 1, 3, 4)

MUS 2873 - Private Trombone IV

3 Credits

Private instrument instruction consists of principles of technical performance on the instrument, performance practice (style) as related to relevant musical literature, and refinement of musical literacy required to interpret progressively challenging repertoire of the instrument. Repertoire and performance assignments will be based on the individual progress of the student. Lab Fee

Prerequisite: MUS 2863 Private Trombone III; Instructor consent

Corequisite: MUS 2200 Performance Lab IV

Course Level Objectives

Upon successful completion of this course the student will be able to:

1. Demonstrate improved skill using various technique. (GEO 1, 2, 3)
2. Apply instructor's suggested modifications to technique in all aspects of performance. (GEO 1, 2, 3, 4)
3. Build an increasingly challenging repertoire appropriate to the student's instrument. (GEO 1, 2, 3)
4. Research chosen repertoire. (GEO 2, 3, 4)
5. Perform compositions selected in collaboration between the instructor and student. (GEO 3, 4)

MUS 2883 - Private Trumpet III

3 Credits

Private instrument instruction consists of principles of technical performance on the instrument, performance practice (style) as related to relevant musical literature, and refinement of musical literacy required to interpret progressively challenging repertoire of the instrument. Repertoire and performance assignments will be based on the individual progress of the student. Lab Fee

Prerequisite: MUS 1893 Private Trumpet II; Instructor consent

Corequisite: MUS 2100 Performance Lab III

Course Level Objectives

Upon successful completion of this course the student will be able to:

1. Demonstrate improved skill using various techniques. (GEO 3)
2. Apply instructor's suggested modifications to technique in all aspects of performance. (GEO 2, 3)
3. Build an increasingly challenging repertoire appropriate to the chosen instrument. (GEO 3)
4. Research chosen repertoire. (GEO 1, 3)
5. Perform compositions selected in collaboration between the instructor and student. (GEO 1, 3, 4)

MUS 2893 - Private Trumpet IV

3 Credits

Private instrument instruction consists of principles of technical performance on the instrument, performance practice (style) as related to relevant musical literature, and refinement of musical literacy required to interpret progressively challenging repertoire of the instrument. Repertoire and performance assignments will be based on the individual progress of the student. Lab Fee

Prerequisite: MUS 2883 Private Trumpet III; Instructor consent

Corequisite: MUS 2200 Performance Lab IV

Course Level Objectives

Upon successful completion of this course the student will be able to:

1. Demonstrate improved skill using various technique. (GEO 1, 2, 3)
2. Apply instructor's suggested modifications to technique in all aspects of performance. (GEO 1, 2, 3, 4)
3. Build an increasingly challenging repertoire appropriate to the student's instrument. (GEO 1, 2, 3)
4. Research chosen repertoire. (GEO 2, 3, 4)
5. Perform compositions selected in collaboration between the instructor and student. (GEO 3, 4)

MUS 2903 - Private Tuba III

3 Credits

Private instrument instruction consists of principles of technical performance on the instrument, performance practice (style) as related to relevant musical literature, and refinement of musical literacy required to interpret progressively challenging repertoire of the instrument. Repertoire and performance assignments will be based on the individual progress of the student. Lab Fee

Prerequisite: MUS 1913 Private Tuba II; Instructor consent

Corequisite: MUS 2100 Performance Lab III

Course Level Objectives

Upon successful completion of this course the student will be able to:

1. Demonstrate improved skill using various techniques. (GEO 3)
2. Apply instructor's suggested modifications to technique in all aspects of performance. (GEO 2, 3)
3. Build an increasingly challenging repertoire appropriate to the chosen instrument. (GEO 3)
4. Research chosen repertoire. (GEO 1, 3)
5. Perform compositions selected in collaboration between the instructor and student. (GEO 1, 3, 4)

MUS 2913 - Private Tuba IV

3 Credits

Private instrument instruction consists of principles of technical performance on the instrument, performance practice (style) as related to relevant musical literature, and refinement of musical literacy required to interpret progressively challenging repertoire of the instrument. Repertoire and performance assignments will be based on the individual progress of the student. Lab Fee

Prerequisite: MUS 2903 Private Tuba III; Instructor consent

Corequisite: MUS 2200 Performance Lab IV

Course Level Objectives

Upon successful completion of this course the student will be able to:

1. Demonstrate improved skill using various technique. (GEO 1, 2, 3)
2. Apply instructor's suggested modifications to technique in all aspects of performance. (GEO 1, 2, 3, 4)
3. Build an increasingly challenging repertoire appropriate to the student's instrument. (GEO 1, 2, 3)
4. Research chosen repertoire. (GEO 2, 3, 4)
5. Perform compositions selected in collaboration between the instructor and student. (GEO 3, 4)

MUS 2923 - Private Bassoon III

3 Credits

Private instrument instruction consists of principles of technical performance on the instrument, performance practice (style) as related to relevant musical literature, and refinement of musical literacy

required to interpret progressively challenging repertoire of the instrument. Repertoire and performance assignments will be based on the individual progress of the student. Lab Fee

Prerequisite: MUS 1933 Private Bassoon II; Instructor consent

Corequisite: MUS 2100 Performance Lab III

Course Level Objectives

Upon successful completion of this course the student will be able to:

1. Demonstrate improved skill using various techniques. (GEO 3)
2. Apply instructor's suggested modifications to technique in all aspects of performance. (GEO 2, 3)
3. Build an increasingly challenging repertoire appropriate to the chosen instrument. (GEO 3)
4. Research chosen repertoire. (GEO 1, 3)
5. Perform compositions selected in collaboration between the instructor and student. (GEO 1, 3, 4)

MUS 2933 - Private Bassoon IV

3 Credits

Private instrument instruction consists of principles of technical performance on the instrument, performance practice (style) as related to relevant musical literature, and refinement of musical literacy required to interpret progressively challenging repertoire of the instrument. Repertoire and performance assignments will be based on the individual progress of the student. Lab Fee

Prerequisite: MUS 2923 Private Bassoon III; Instructor consent

Corequisite: MUS 2200 Performance Lab IV

Course Level Objectives

Upon successful completion of this course the student will be able to:

1. Demonstrate improved skill using various technique. (GEO 1, 2, 3)
2. Apply instructor's suggested modifications to technique in all aspects of performance. (GEO 1, 2, 3, 4)
3. Build an increasingly challenging repertoire appropriate to the student's instrument. (GEO 1, 2, 3)
4. Research chosen repertoire. (GEO 2, 3, 4)
5. Perform compositions selected in collaboration between the instructor and student. (GEO 3, 4)

MUS 2943 - Private Clarinet III

3 Credits

Private instrument instruction consists of principles of technical performance on the instrument, performance practice (style) as related to relevant musical literature, and refinement of musical literacy required to interpret progressively challenging repertoire of the instrument. Repertoire and performance assignments will be based on the individual progress of the student. Lab Fee

Prerequisite: MUS 1953 Private Clarinet II; Instructor consent

Corequisite: MUS 2100 Performance Lab III

Course Level Objectives

Upon successful completion of this course the student will be able to:

1. Demonstrate improved skill using various techniques. (GEO 3)
2. Apply instructor's suggested modifications to technique in all aspects of performance. (GEO 2, 3)
3. Build an increasingly challenging repertoire appropriate to the chosen instrument. (GEO 3)
4. Research chosen repertoire. (GEO 1, 3)

5. Perform compositions selected in collaboration between the instructor and student. (GEO 1, 3, 4)

MUS 2953 - Private Clarinet IV

3 Credits

Private instrument instruction consists of principles of technical performance on the instrument, performance practice (style) as related to relevant musical literature, and refinement of musical literacy required to interpret progressively challenging repertoire of the instrument. Repertoire and performance assignments will be based on the individual progress of the student. Lab Fee

Prerequisite: MUS 2943 Private Clarinet III; Instructor consent

Corequisite: MUS 2200 Performance Lab IV

Course Level Objectives

Upon successful completion of this course the student will be able to:

1. Demonstrate improved skill using various technique. (GEO 1, 2, 3)
2. Apply instructor's suggested modifications to technique in all aspects of performance. (GEO 1, 2, 3, 4)
3. Build an increasingly challenging repertoire appropriate to the student's instrument. (GEO 1, 2, 3)
4. Research chosen repertoire. (GEO 2, 3, 4)
5. Perform compositions selected in collaboration between the instructor and student. (GEO 3, 4)

MUS 2963 - Private Oboe III

3 Credits

Private instrument instruction consists of principles of technical performance on the instrument, performance practice (style) as related to relevant musical literature, and refinement of musical literacy required to interpret progressively challenging repertoire of the instrument. Repertoire and performance assignments will be based on the individual progress of the student. Lab Fee

Prerequisite: MUS 1973 Private Oboe II; Instructor consent

Corequisite: MUS 2100 Performance Lab III

Course Level Objectives

Upon successful completion of this course the student will be able to:

1. Demonstrate improved skill using various techniques. (GEO 3)
2. Apply instructor's suggested modifications to technique in all aspects of performance. (GEO 2, 3)
3. Build an increasingly challenging repertoire appropriate to the chosen instrument. (GEO 3)
4. Research chosen repertoire. (GEO 1, 3)
5. Perform compositions selected in collaboration between the instructor and student. (GEO 1, 3, 4)

MUS 2973 - Private Oboe IV

3 Credits

Private instrument instruction consists of principles of technical performance on the instrument, performance practice (style) as related to relevant musical literature, and refinement of musical literacy required to interpret progressively challenging repertoire of the instrument. Repertoire and performance assignments will be based on the individual progress of the student. Lab Fee

Prerequisite: MUS 2963 Private Oboe III; Instructor consent

Corequisite: MUS 2200 Performance Lab IV

Course Level Objectives

Upon successful completion of this course the student will be able to:

1. Demonstrate improved skill using various technique. (GEO 1, 2, 3)
2. Apply instructor's suggested modifications to technique in all aspects of performance. (GEO 1, 2, 3, 4)
3. Build an increasingly challenging repertoire appropriate to the student's instrument. (GEO 1, 2, 3)
4. Research chosen repertoire. (GEO 2, 3, 4)
5. Perform compositions selected in collaboration between the instructor and student. (GEO 3, 4)

MUS 2983 - Private Saxophone III

3 Credits

Private instrument instruction consists of principles of technical performance on the instrument, performance practice (style) as related to relevant musical literature, and refinement of musical literacy required to interpret progressively challenging repertoire of the instrument. Repertoire and performance assignments will be based on the individual progress of the student. Lab Fee

Prerequisite: MUS 1993 Private Saxophone II; Instructor consent

Corequisite: MUS 2100 Performance Lab III

Course Level Objectives

Upon successful completion of this course the student will be able to:

1. Demonstrate improved skill using various techniques. (GEO 3)
2. Apply instructor's suggested modifications to technique in all aspects of performance. (GEO 2, 3)
3. Build an increasingly challenging repertoire appropriate to the chosen instrument. (GEO 3)
4. Research chosen repertoire. (GEO 1, 3)
5. Perform compositions selected in collaboration between the instructor and student. (GEO 1, 3, 4)

MUS 2993 - Private Saxophone IV

3 Credits

Private instrument instruction consists of principles of technical performance on the instrument, performance practice (style) as related to relevant musical literature, and refinement of musical literacy required to interpret progressively challenging repertoire of the instrument. Repertoire and performance assignments will be based on the individual progress of the student. Lab Fee

Prerequisite: MUS 2983 Private Saxophone III; Instructor consent

Corequisite: MUS 2200 Performance Lab IV

Course Level Objectives

Upon successful completion of this course the student will be able to:

1. Demonstrate improved skill using various technique. (GEO 1, 2, 3)
2. Apply instructor's suggested modifications to technique in all aspects of performance. (GEO 1, 2, 3, 4)
3. Build an increasingly challenging repertoire appropriate to the student's instrument. (GEO 1, 2, 3)
4. Research chosen repertoire. (GEO 2, 3, 4)
5. Perform compositions selected in collaboration between the instructor and student. (GEO 3, 4)

Nursing

NUR 1001 - Critical Thinking Applications I

1 Credits

Critical Thinking Applications I will provide opportunities for the first semester nursing student to practice in simulated patient care situations within a laboratory setting. Nursing skills and procedures, within a nursing process format, will be utilized to stimulate the student to think critically, problem solve, and make clinical decisions while applying fundamental nursing principles and evidenced based practice guidelines. Quality and safety principles are also emphasized throughout the course.

Prerequisite: BIOL 2224 Anatomy & Physiology I*, CHEM 1104 Chemistry For Non-Majors*, both passed with a grade of "C" or better

Corequisite: BIOL 2234 Anatomy & Physiology II*, MATH 1123 College Algebra*, NUR 1108 Nursing Process I

Course Level Objectives

Upon successful completion of this course the student will be able to:

1. Practice critical thinking and clinical decision-making behaviors in the demonstration of selected fundamental nursing skills and procedures. (PLO 3)
2. Practice critical thinking and clinical decision-making behaviors in assignments and discussions. (PLO 3, 6)
3. Apply fundamental scientific principles in selected patient care situation. (PLO 3, 4)
4. Demonstrate caring behaviors in the performance of selected nursing procedures. (PLO 1, 5, 6)
5. Recognize human responses in the physical, emotional, intellectual, social, and spiritual dimensions when performing selected nursing procedures. (PLO 2, 5, 6)
6. Apply principles of nursing pharmacology in the safe administration of medications. (PLO 7, 8)
7. Demonstrate understanding, respect, and caring behaviors for patients with culturally diverse beliefs and practices. (PLO 2, 5, 6)
8. Demonstrate competency in the following fundamental nursing procedures: (PLO 3, 4, 5, 8)
 - a. Bed-making, bath, and oral care
 - b. Medical Asepsis/handwashing
 - c. Position and Transfer / ROM
 - d. Vital Signs & Pain Assessment
 - e. Physical Assessment
 - f. Medication administration -General Principles
 - g. Medication administration - Oral/Alternate Routes
 - h. Medication administration -Parenteral
 - i. Bowel elimination/Enema administration*
 - j. Nasogastric tube insertion, suction apparatus, medication administration via tube, and tube feedingObtaining medical specimen

Next Course in Sequence: NUR 1201 Critical Thinking Applications II, NUR 1208, Nursing Process II

NUR 1108 - Nursing Process I

8 Credits

Nursing Process I provides an introduction to curricular concepts, role responsibilities, development of fundamental knowledge and nursing skills, as well as the history and evolution of the nursing profession. The nursing process is introduced as the method for clinical decision making. Opportunities will be provided for the student to provide patient centered care for the promotion, maintenance and restoration of health in the clinical and laboratory settings while emphasizing principles of quality and safety, communication, and professionalism. Morning, afternoon, and/or evening hours may be scheduled for clinical experience. A medication calculation test will be given. Each student will be required to achieve 90% on the calculation test to pass the course.

Prerequisite: BIOL 2224 - Anatomy & Physiology I*, CHEM 1104 Chemistry For Non-Majors*, both passed with a grade of "C" or better

Corequisite: BIOL 2234 - Anatomy & Physiology II*, MATH 1123 College Algebra*, NUR 1001 Critical Thinking Applications I

Course Level Objectives

Upon successful completion of this course the student will be able to:

1. With assistance, demonstrate caring behaviors with patient, families, and other members of the interprofessional health care team. (PLO 1)
2. With assistance implement fundamental principles of teaching/learning when providing care. (PLO 2)
3. With assistance, collaborates with patients in the performance of their own care as well as significant other as appropriate. (PLO 2)
4. With assistance, recognize critical thinking behaviors in nursing practice decisions with patients when managing the care of patients in the acute care, long term care, and rehab settings. (PLO 3,7)
5. With assistance, apply the nursing process, supported by current evidence based practice standards, resulting in quality and safe care in the acute care, long term care, and rehab settings. (PLO 4)
6. Identify age-related needs with emphasis on middle age and the elderly. (PLO 4)
7. Apply principles of nursing pharmacology in the safe administration of medications to adult and older adult patients. (PLO 4)
8. With assistance provide holistic patient centered care to culturally, ethnically, and socially diverse patients, families and/or significant others in the acute care, long term care, and rehab settings. (PLO 5)
9. With assistance, utilize various forms of technology in the provision of patient care in the acute care, long term care, and rehab setting. (PLO 6)
10. Use effective therapeutic communication skills with patients, peers, faculty, and interprofessional health care team in the clinical and nonclinical settings. (PLO 6)
11. With assistance demonstrates responsibility for self-development and accountability through the use of appropriate resources. (PLO 7)
12. With assistance recognize leadership opportunities in the clinical and classroom setting. (PLO 7)
13. Describe the roles of the A.D.N. graduates in the acute care, long term care, and rehab settings. (PLO 8)

Next Course in Sequence: NUR 1201 Critical Thinking Applications II, NUR 1208, Nursing Process II

NUR 1201 - Critical Thinking Applications II

1 Credits

The focus of Critical Thinking Applications II is to practice application of clinical decision making skills in simulated medical-surgical patient care situations. Exemplars will be used to enhance nursing skills for patient care, within the nursing process format, and will be utilized to stimulate the student to think critically, problem solve, and make clinical decisions while applying the principles of patient centered care, quality and safety standard, and evidence based practice guidelines. The students will synthesize knowledge and skills from NUR 1001 Critical Thinking Applications I and NUR 1108 Nursing Process I are reinforced and related to new content and skills.

Prerequisite: NUR 1108 Nursing Process I, NUR 1001 Critical Thinking Applications I, BIOL 2234 Anatomy & Physiology II*, MATH 1123 College Algebra*, all passed with a grade of "C" or better

Corequisite: ENG 1113 English Composition I*, NUR 1208 Nursing Process II, NUR 1302 Current Concepts In Nursing^

^LPN to RN only

Course Level Objectives

Upon successful completion of this course, the student will be able to:

1. Demonstrate critical thinking and decision-making behaviors in the application of selected nursing skills and procedures. (PLO 3, 4, 8)
2. Recognize human responses in the physical, emotional, intellectual, social and spiritual dimensions when performing selected nursing procedures. (PLO 1, 2, 5, 6)
3. Apply principles of nursing pharmacology in the safe administration of medications. (PLO 3, 4)
4. Demonstrate caring behaviors in the performance of selected nursing procedures. (PLO 1, 5, 6)
5. Apply fundamental scientific principles in selected medical-surgical patient care situations including but not limited to: (PLO 3, 4, 8)
6. Demonstrate understanding, respect, and caring behaviors for clients with culturally diverse beliefs and practices. (PLO 1, 5, 6)
7. Demonstrate competency in the following nursing procedures: (PLO 3, 4, 8)
 - a. Intravenous (IV) therapy - inserting a peripheral IV.
 - b. Drawing blood specimen.
 - c. Administration of medication by Intravenous Push (IVP) and Intravenous Piggy Back (IVPB).
 - d. Conversion of IV line to a Saline lock (SL).
 - e. Insertion of Foley catheter.
 - f. Sterile dressings - surgical and/or central line.

Next Course in Sequence: NUR 2107 Nursing Process III**, NUR 2303 Nursing Process IV**

NUR 1208 - Nursing Process II

8 Credits

The focus of Nursing Process II is on clinical decision making and the provision of patient centered care in selected medical/surgical settings with adult patients. Curricular concepts from previous courses continue to be built upon and a unit focusing on gerontological nursing is included in this course. Content and clinical experiences will emphasize patient centered care, the role of the nurse in the health care team, communication skills (collaborating with health care team, team building, verbal and non-verbal), and quality and safety. Clinical experiences are scheduled involving morning, afternoon, evening, or weekend hours in an acute care setting focusing on course concepts.

Prerequisite: NUR 1108 Nursing Process I, NUR 1001 Critical Thinking Applications I, BIOL 2234 Anatomy & Physiology II*, MATH 1123 College Algebra*, all passed with a grade of "C" or better

Corequisite: ENG 1113 English Composition I*, NUR 1201 Critical Thinking Applications II, NUR 1302 Current Concepts In Nursing ^

^LPN to RN only

Course Level Objectives

Upon successful completion of this course the student will be able to:

1. Demonstrate caring behaviors in the provision of nursing care. (PLO 1)
2. Implement principles of teaching/learning when providing care. (PLO 2)
3. With assistance, collaborate with members of the interprofessional health care team, patients, and families to promote continuity of care. (PLO 2)
4. With assistance, demonstrate critical thinking and decision-making behaviors in decisions related to patient care that will maintain, promote, restore health, and alleviate suffering. (PLO 3, 5)
5. With assistance identify opportunities for managing and delegating patient care. (PLO 3)

6. Apply principles of nursing pharmacology in the safe administration of medications to adult patients. (PLO 4)
7. Examine the influence of the developmental tasks of the elderly in planning nursing care. (PLO 4)
8. Within the framework of the five human dimensions, apply the nursing process, supported by evidence based practice, resulting in quality and safe care in the acute and/or long term care setting. (PLO 4)
9. Provide holistic patient centered care to culturally, ethnically, and socially diverse patients, families, and/or significant others. (PLO 5)
10. Use effective communication skills with patients, peers, faculty, and interprofessional health care team members in the clinical and nonclinical setting. (PLO 6)
11. Utilize various forms of technology in the provision of patient care in the acute care and/or long term care setting. (PLO 6)
12. Demonstrate responsibility for self-development and accountability through the use of appropriate resources. (PLO 7)
13. With assistance, implement principles of leadership and accountability within the acute care, long term care and classroom setting. (PLO 7)
14. Recognize legal and ethical situations in the provision of patient care. (PLO 8)
15. Practice nursing actions that are consistent with the roles of the A.D. nurse in the acute care and long term care setting. (PLO 8)

Next Course in Sequence: NUR 2107 Nursing Process III

NUR 1216 - Accelerated Nursing

6 Credits

NUR 1216 is the accelerated summer version of NUR 1208 Nursing Process II. This course is available only to students in the LPN to RN completion track. The focus of this course is on clinical decision making and the provision of patient centered care in selected medical/surgical settings with adult patients. Curricular concepts from previous courses continue to be built upon and a unit focusing on gerontological nursing is included in this course. Content and clinical experiences will emphasize patient centered care, the role of the nurse in the health care team, communication skills (collaborating with health care team, team building, verbal and non-verbal), and quality and safety. Clinical experiences are scheduled involving morning, afternoon, evening, or weekend hours in an acute care setting focusing on course concepts.

Prerequisite: NUR 1302 Current Concepts In Nursing, ENG 1113 English Composition I*, BIOL 2244 Microbiology*, all passed with a grade of "C" or better

Course Level Objectives

Upon successful completion of this course the student will be able to:

1. Demonstrate caring behaviors in the provision of nursing care. (PLO 1)
2. Implement principles of teaching/learning when providing care. (PLO 2)
3. With assistance, collaborate with members of the interprofessional health care team, patients, and families to promote continuity of care. (PLO 2)
4. With assistance, demonstrate critical thinking and decision-making behaviors in decisions related to patient care that will maintain, promote, restore health, and alleviate suffering. (PLO 3,5)
5. With assistance, identify opportunities for managing and delegating patient care. (PLO 3)
6. Apply principles of nursing pharmacology in the safe administration of medications to adult patients. (PLO 4)
7. Examine the influence of the developmental tasks of the elderly in planning nursing care. (PLO 4)

8. Within the framework of the five human dimensions, apply the nursing process, supported by evidence-based practice, resulting in quality and safe care in the acute and/or long-term care setting. (PLO 4)
9. Provide holistic patient centered care to culturally, ethnically, and socially diverse patients, families, and/or significant others. (PLO 5)
10. Use effective communication skills with patients, peers, faculty, and interprofessional health care team members in the clinical and nonclinical setting. (PLO 6)
11. Utilize various forms of technology in the provision of patient care in the acute care and/or long-term care setting. (PLO 6)
12. Demonstrate responsibility for self-development and accountability through the use of appropriate resources. (PLO 7)
13. With assistance, implement principles of leadership and accountability within the acute care, long term care and classroom setting. (PLO 7)
14. Recognize legal and ethical situations in the provision of patient care. (PLO 8)
15. Practice nursing actions that are consistent with the roles of the A.D. nurse in the acute care and long-term care setting. (PLO 8)

Next Course in Sequence: NUR 2107 Nursing Process III

NUR 1302 - Current Concepts In Nursing

2 Credits

The focus of this two-credit hour, web-enhanced course is to introduce the LPN/LPTN to concepts related to the transition and socialization toward associate degree (A.D.) education and the Registered Nurse role. The course provides learning in relation to the NPC Nursing Philosophy and an introduction to NPC A.D. nursing curricular concepts. Selected NUR 1108 Nursing Process I topics are examined in an effort to develop the LPN/LPTN knowledge base to a level consistent with that of the RN student entering NUR 1208 Nursing Process II/NUR 1216 Accelerated Nursing . A major focus is the use of the nursing process in relation to physical, emotional, social, intellectual, and spiritual responses. There is no clinical component to the course.

Prerequisite: Graduation from a state approved PN or PTN educational program, Unencumbered LPN/LPTN license in all states registered (must include Arkansas), Officially admitted to the NPC Nursing Program or with departmental approval, Minimum of 90% score on the Dosage Calculation Exam, and evidence of completion of HIPAA and Blood Born Pathogen education or successful completion of the HIPAA and Blood-Borne Pathogen modules within the course materials, or a nursing student transferring from an accredited nursing program.

Spring Enrollment - LPN to RN Option 1: Part-time

CHEM 1104 Chemistry For Non-Majors*, MATH 1123 College Algebra*, BIOL 2234 Anatomy & Physiology II* and CIS 1023 Introduction to Computing* or other evidence of computer literacy, all passed with a grade of "C" or better

Summer Enrollment - LPN to RN Option 2: Accelerated

ENG 1113 English Composition I*; MATH 1123 College Algebra*; BIOL 2234 Anatomy & Physiology II* ; CHEM 1104 Chemistry For Non-Majors* , and CIS 1023 Introduction to Computing* or other evidence of computer literacy, all passed with a grade of "C" or better

Corequisite: Spring Enrollment - LPN to RN Option 1: Part-time

ENG 1113 English Composition I*, NUR 1201 Critical Thinking Applications II, NUR 1208 Nursing Process II

Summer Enrollment - LPN to RN Option 2: Accelerated

BIOL 2244 Microbiology*

Course Level Objectives

Upon successful completion of this course, the student will be able to:

1. Explain all major concepts of the NPC Division of Nursing Philosophy. (PLO 8)
2. Explain all curricular concepts/threads within the associate degree nursing organizational framework. (PLO 8)
3. Distinguish characteristics of the LPN role from those of the associate degree RN role. (PLO 8)
4. Identify personal learning needs, feelings, and reactions related to the role change from LPN to RN. (PLO 8)
5. Describe the roles of the A.D.N. graduates in the acute care and long term care setting. (PLO 8)
6. Use essential elements associated with the ability to critically think in application of the nursing process in basic care situations. (PLO 3, 7)
7. Apply the nursing process, supported by evidence-based practice, resulting in quality and safe care in the scenario based learning environment. (PLO 4)
8. Recognize human responses in the physical, emotional, intellectual, social, and spiritual dimensions with focus on the physical dimension while providing holistic care. (PLO 5)
9. Demonstrate ability to apply principles of nursing process and fluid & electrolyte imbalances in the scenario based learning environment. (PLO 5)
10. Prepare a guide to assist you and your peers in providing culturally-sensitive nursing care. (PLO 5)
11. Distinguish between caring and non-caring behaviors within the health care environment. (PLO 1)
12. Demonstrate caring behaviors with simulated patient, families and other members of the multidisciplinary health care team. (PLO 1)
13. Demonstrate effective therapeutic communication skills with peers and faculty. (PLO 6)
14. Demonstrate effective documentation using sensory based terms in a scenario based clinical setting. (PLO 6)
15. Demonstrates responsibility for self-development and accountability through the use of appropriate resources. (PLO 7)

Next Course in Sequence: NUR 2107 Nursing Process III** and NUR 2303 Nursing Process IV**

NUR 2107 - Nursing Process III

7 Credits

This course continues to integrate curricular concepts and evidence based practice with focus on patient centered care with specific long and short term health problems in the areas of maternal and children's health. Student behaviors include application of quality and safety standards and clinical decision making with specified nursing problems in relation to developmentally and culturally diverse patients and families. In collaboration with the health care team, the areas of health promotion, maintenance, and restoration are also examined. Knowledge and skills from previous courses are reinforced and related to new content. Clinical experiences will focus on patient responses in the area of maternal-child health, primarily in acute care settings.

Prerequisite: ENG 1113 English Composition I*^, NUR 1201 Critical Thinking Applications II, NUR 1208 Nursing Process II OR NUR 1216 Accelerated Nursing, BIOL 2244 Microbiology*, all passed with a grade of "C" or better

^LPN to RN only

Corequisite: PSYC 1103 General Psychology*, NUR 2303 Nursing Process IV

Course Level Objectives

Upon successful completion of this course the student will be able to:

1. Demonstrate caring behaviors with patients, families, and other members of the interprofessional health care team. (PLO 1)
2. Utilize individualized teaching plans. (PLO 1,2,4,5)
3. Collaborate with members of the interprofessional health care team, patients, families and/or significant others to adapt the hospital environment to meet the unique needs and promote continuity of care to the maternal/child patient. (PLO 2,7)
4. Employ critical thinking behaviors in nursing practice decisions when managing and delegating the care of patients in the maternal-child settings. (PLO 3)
5. Apply the nursing process, supported by current evidence-based practice standards, resulting in quality and safe care in the maternal-child health care settings. PLO (4)
6. Utilize principles of growth and development in planning care for children, adolescents, and adults. (PLO 2,3,5)
7. Apply principles of nursing pharmacology in the safe administration of medication(s) to maternal/child patients. (PLO 4,8)
8. Provide and manage holistic patient centered care to culturally, ethnically, and socially diverse patients, families and/or significant others. (PLO 5)
9. Utilize effective therapeutic communication, including verbal, written, and electronic; with patients, family, and/or significant other, faculty, peers, and interprofessional health care team members in the maternal-child care settings. (PLO 6)
10. Demonstrate responsibility for self-development and accountability through the use of appropriate resources. (PLO 7)
11. Explore leadership opportunities within the maternal/child healthcare setting and classroom setting. (PLO 7)
12. Practice competently within the legal and ethical guidelines for the role of the Associate Degree Nurse in the maternal-child care setting. (PLO 8)
13. Apply the nursing process in response to the nutritional needs of the maternal/child patient. (PLO 3,4,5)

NUR 2210 - Nursing Process V

10 Credits

The focus of this course is on complex medical/surgical conditions in the provision of safe, patient centered care to developmentally and culturally diverse adult patients. Students apply the nursing process and utilize information literacy skills to demonstrate clinical decision-making that is grounded in evidence based practice to achieve best practice outcomes. Incorporating quality improvement, professional standards, and legal and ethical responsibilities of the associate degree nurse as applied in the acute care and high acuity settings. Emphasis will be placed on prioritization of care through collaboration with other members of the health care team, patients and their families. Application of knowledge and skills occurs in a variety of inpatient and out-patient clinical settings.

Prerequisite: NUR 2107 Nursing Process III, NUR 2303 Nursing Process IV, PSYC 1103 General Psychology* , all passed with a grade of "C" or better

Corequisite: ENG 1123 English Composition II*

Course Level Objectives

Upon successful completion of this course, the student will be able to:

1. Demonstrate caring behaviors with patient, families, and other members of the interprofessional health care team. (PLO 1)
2. Collaborate with members of the interprofessional health care team, patients, families and/or significant others as appropriate in the performance of care. (PLO 2)

3. Employ critical thinking behaviors in nursing practice decisions when managing and delegating the care of patients having complex health problems. (PLO 3)
4. Apply the nursing process, supported by current evidence-based practice standards, resulting in quality and safe care in a variety of health care settings. (PLO 4)
5. Provide and manage holistic patient centered care to culturally, ethnically, and socially diverse patients, families and/or significant others. (PLO 5)
6. Utilize effective therapeutic communication including verbal, written, and electronic; with patients, health care team members, peers, faculty, and family and/or significant others in all clinical and nonclinical settings. (PLO 6)
7. Demonstrate leadership and accountability when collaborating with other members of the health care team. (PLO 7)
8. Practice competently within the ethical and legal guidelines for the role of the Associate Degree Nurse. (PLO 8)

NUR 2303 - Nursing Process IV

3 Credits

The focus of this course is to apply curricular concepts and apply evidence based care in the area of mental health. Student behaviors will include application of the nursing process for clinical decision making to provide patient-centered care for the promotion, maintenance and restoration of health with a variety of developmental and culturally diverse patients. Theory and clinical content will emphasize the concepts of quality and safety, legal and ethical considerations, and health care team roles in the area of mental health. Self-assessment and self-awareness are encouraged to enhance self development and foster therapeutic relationships. Communication skills are further developed using theories of interpersonal relationships as a foundation with a focus on the development of goal directed therapeutic communication techniques. Application of knowledge and skills occurs in a variety of in-patient and outpatient clinical settings.

Prerequisite: ENG 1113 English Composition I*, NUR 1201 Critical Thinking Applications II, NUR 1208 Nursing Process II or NUR 1216 Accelerated Nursing, BIOL 2244 Microbiology*, all passed with a grade of "C" or better
 ^LPN to RN only

Corequisite: PSYC 1103 General Psychology*, NUR 2107 Nursing Process III

Course Level Objectives

Upon successful completion of this course the student will be able to:

1. Demonstrate caring behaviors with patient, families, and other members of the multi-disciplinary health care team. (PLO 1, 2)
2. Utilize principles of teaching/learning when providing care to the psychiatric-mental health patient.(PLO 1, 2, 4, 5)
3. Collaborates with members of the multi-disciplinary health care team, patient, families and/or significant others as appropriate in the performance of their own care. (PLO 2, 5)
4. Demonstrate critical thinking and decision making behaviors in decisions related to patient care that will maintain, promote, restore health, alleviate suffering. (PLO 3, 5)
5. Identifies opportunities for managing and delegating patient care in the psychiatric-mental health setting. (PLO 2, 3)
6. Within the framework of the five human dimensions, apply the nursing process, supported by evidence base practice, resulting in quality and safe care in areas of the psychiatric-mental health setting.(PLO 4)

7. Utilize principles of growth and development in planning across the life span in the psychiatric-mental health setting. (PLO 2, 3, 5)
8. Apply principles of nursing pharmacology in the safe administration of medication(s) to psychiatric-mental health patients. (PLO 4, 8)
9. Provide holistic patient centered care to culturally diverse patients, families and/or significant others in the psychiatric-mental health setting. (PLO 1, 5)
10. Utilize various forms of technology in the provision of patient care in the psychiatric-mental health setting. (PLO 6)
11. Use effective therapeutic communication skills with patients, peers, faculty, and multidisciplinary health care team in the clinical and nonclinical setting. (PLO 1, 2, 6)
12. Demonstrates responsibility for self-development and accountability through the use of appropriate resources. (PLO 7, 8)
14. Explore leadership opportunities within the healthcare and classroom setting. (PLO 7)
15. Apply legal and ethical principles in the provision of patient care. (PLO 8)
16. Practice nursing actions that are consistent with the role of the A.D.N. nurse in the psychiatric-mental health setting. (PLO 8)

Next Course in Sequence: NUR 2210 Nursing Process V

NUR 2304 - Health Assessment

4 Credits

This web-enhanced course is designed for Registered Nurses preparing for a bachelors degree in nursing (or with instructor permission). Complete assessment of all body systems will be explored with emphasis on physical examination techniques.

Course Level Objectives

Upon successful completion of this course the student will be able to:

1. Accurately perform and document a health history and physical exam. (GEO 1, 3, 4)
2. Communicate effectively with the client and the health team. (GEO 1, 4)
3. Utilize the language of physical assessment in describing health findings when documenting or describing the client's health status. (GEO 1, 3, 4)
4. Demonstrate ability to utilize techniques of inspection, palpation, percussion and auscultation.(GEO 2,3)
5. Utilize the techniques of inspection, palpation, percussion, and auscultation to assess clients as a basis for nursing diagnosis. (GEO 2, 3)
6. Distinguish normal and abnormal findings during the physical assessment. (GEO 2, 4)
7. Utilize principles of growth and development in order to assess the current health status of the client. (GEO 2,3, 4)
8. Use critical thinking and diagnostic reasoning in evaluation of abnormal data. (GEO 2, 3)

Orientation

ORT 1000 - Student LMS Training

0 Credits

During this course you will be introduced to important concepts that will help prepare you for success in your classes. You will learn to use Blackboard, the College's learning management system (LMS); fine tune needed computer skills; and get a sneak peek at what it means to be a college student. Successful completion of this course is required before you may register for any other courses at the college. THIS COURSE MUST BE COMPLETED PRIOR TO FIRST DAY OF CLASSES.

ORT 1100 - NPC Orientation

0 Credits This one day course is designed to orient students to the programs and services offered at NPC. Activities are designed to acquaint students with the campus and various departments and services. This course is required for all new students at NPC.

ORT 1202 - College Seminar

2 Credits

This course is designed to assist general education students with the skills needed for success in both college academics and life after college. The course will focus on you as a learner and participant in college society, and the habits of mind that characterize the college experience.

Course Level Objectives

Upon successful completion of this course, the student will be able to:

1. Identify campus resources. (GEO 3)
2. Describe ways that people (including the student) behave which prevent them from reaching their goals and strategies for goal directed behavior. (GEO 1, 2, 3)
3. Apply time management techniques and study skills to their daily academic life. (GEO 3, 4)
4. Evaluate the credibility of information. (GEO 1, 2, 4)
5. Create a budget/plan that incorporates the unique financial concerns of students. (GEO 3 & 4)
6. Identify the main point in a passage or essay and state the reasons that support a given choice. (GEO: 1, 2)

Philosophy

PHIL 1123 - Introduction To Philosophy*

3 Credits

Examination of critical questions of human existence such as free will versus determinism, the nature of knowledge, and the basis for moral judgment. Reading and discussion of works by classical and contemporary philosophers.

Course Level Objectives

Upon successful completion of this course, the student will be able to:

1. Propose social and political policies. (GEO 2, 3)
2. Construct arguments for ethical stances. (GEO 1, 2, 3)
3. Express various epistemological beliefs as seen through the history of western philosophy. (GEO 3, 4)
4. Prepare a philosophical paper and defend its thesis. (GEO 1, 3)
5. Support their beliefs about what constitutes reality and truth. (GEO 2, 3)
6. Combine philosophical terms and concepts into an articulable worldview. (GEO 2, 3, 4)

ACTS Equivalent Course Number: PHIL 1103

Photography

PHOT 1143 - Video Production

3 Credits

This is a studio class in video production techniques designed to give the student an introduction to the disciplines involved in the preproduction, production and post production work necessary to create a digital

video presentation and portfolio. This class is concerned with production work for documentaries, commercials, industrial film and independent films. Study will include script preparation, storyboards, camera operation, lighting, sound acquisition, and video and sound editing.

Course Level Objectives

Upon successful completion of this course, the student will be able to:

1. Create work for digital video presentations. (PLO 1, 3, 4)
2. Produce work from various areas including documentaries, commercials, industrial film and independent film. (PLO 1, 2, 3, 4)
3. Create storyboards and scripts. (PLO 1, 3, 4, 6, 8)
4. Demonstrate appropriate lighting, sound acquisition, and editing. (PLO 1, 4)
5. Demonstrate appropriate camera operations. (PLO 1, 4)

PHOT 2223 - Digital Photography

3 Credits

This course within the art department deals with the production of digital images from varied sources including images from digital cameras, scanned film, scanned prints, and scanned objects. The student is required to own a digital camera. The course is one of exploration, using different means of image input to produce digital prints or negatives. As in all photography classes, there will be an emphasis on concept and composition leading to the production of prints for portfolio presentation.

Course Level Objectives

Upon successful completion of this course, the student will be able to:

1. Demonstrate proper digital camera operation. (PLO 1, 3, 5)
2. Create a photographic image and printed material from a variety of digitally transferred images. (PLO 1, 3, 5)
3. Edit and apply digital modifications to effectively produce an aesthetically pleasing image. (PLO 1, 3, 5)
4. Recognize the significance of photography and its application in education, media, sports, design, medicine, law enforcement, space exploration, and artistic expression. (PLO 4)
5. Communicate effectively through photographic composition. (PLO 1, 3, 5, 8)
6. Conduct a photographic commission in a professional and ethical manner. (PLO 1, 3, 5, 8)

Physical Education

PE 1051 - Beginning Yoga

1 Credits

In this class you will master the fundamentals of Hatha Yoga, which are breath, yoga postures, and meditation. As a result you will increase strength, endurance, flexibility, and grace while relieving stress and energizing your body.

Course Level Objectives

Upon successful completion of this course, the student will be able to:

1. Discuss the importance of sound health and fitness principles as they relate to improving or maintaining health. (GEO 3)
2. Discuss the physical and mental benefits of increased activity in your personal experience. (GEO 4)
3. Discuss how to set and work toward realistic individual goals by participating in a variety of activities. (GEO 2, 4)
4. Demonstrate proficiency in the utilization of various training methods. (GEO 1)

5. Discuss the benefits of physical activity as a lifetime pursuit and a means to better health in relation to working in teams with a variety of cultures and backgrounds. (GEO 3, 4)

PE 1101 - Physical Conditioning - Belly, Buns & Thighs

1 Credits

Toning exercise that focuses on these three hard-to-target areas.

Course Level Objectives

Upon successful completion of this course, the student will be able to:

1. Discuss the importance of sound health and fitness principles as they relate to improving or maintaining health. (GEO 3)
2. Discuss the physical and mental benefits of increased activity in your personal experience. (GEO 4)
3. Discuss how to set and work toward realistic individual goals by participating in a variety of activities. (GEO 2, 4)
4. Demonstrate proficiency in the utilization of various training methods. (GEO 1)
5. Discuss the benefits of physical activity as a lifetime pursuit and a means to better health in relation to working in teams with a variety of cultures and backgrounds. (GEO 3, 4)

PE 1102 - Life Fitness Concepts

2 Credits

This course applies basic concepts of physical activity and/or recreation as they apply to healthy living. This course is recommended for students that have a temporary or permanent limitation of physical activity. Lab Fee

Course Level Objectives

Upon successful completion of this course, the student will be able to:

1. Demonstrate the procedures and considerations in planning a personal fitness program. (GEO 1, 2)
2. List the types of physical activities that can contribute to fitness over the course of a lifetime. (GEO 3)
3. Define the issues related to being an informed customer of fitness products. (GEO 2,3)
4. List resources that are available and can contribute to a fitness program. (GEO 1)
5. Identify and incorporate into daily living, the components of health-related fitness. (GEO 3)
6. Discuss various health related fitness components as they relate to a healthy lifestyle. (GEO 1, 3, 4)
7. Determine and evaluate their current lifestyle and health-related fitness status. (GEO 2, 3)
8. Explain the relationship between health-related fitness and hypo kinetic disease. (GEO 2, 3)
9. Determine a safe and progressive exercise program that will result in improved cardio-respiratory fitness, muscular strength and endurance, flexibility, and body composition. (GEO 1, 2, 3)

PE 1111 - Weight Training

1 Credits

Exercise using cardio machines, free weights, and weight machines that benefit the total body.

Course Level Objectives

Upon successful completion of this course, the student will be able to:

1. Discuss the importance of sound health and fitness principles as they relate to improving or maintaining health. (GEO 3)
2. Discuss the physical and mental benefits of increased activity in your personal experience. (GEO 4)
3. Discuss how to set and work toward realistic individual goals by participating in a variety of activities. (GEO 2, 4)
4. Demonstrate proficiency in the utilization of various training methods. (GEO 1)

5. Discuss the benefits of physical activity as a lifetime pursuit and a means to better health in relation to working in teams with a variety of cultures and backgrounds. (GEO 3, 4)

PE 1113 - Health And Safety*

3 Credits

A study designed to assist students in understanding and developing attitudes and behaviors necessary to establish healthful living practices. This course is designed to motivate the student toward better physical and mental health behaviors. Emphasis is placed on principles and contemporary issues involved in better individual and community health.

Course Level Objectives

Upon successful completion of this course, the student will be able to:

1. Identify positive and negative factors that impact physical, social, mental, and emotional health and well-being. (GEO 3)
2. Discuss critical health issues and behavior affecting personal health. (GEO 1, 2, 3, 4)
3. Discuss strategies for establishing and maintaining healthful living practices, including exercise. (GEO 1, 2, 4)
4. Identify the causes of stress and the steps to successfully manage stress. (GEO 3)
5. Recognize and discuss the processes and effects of addictive behavior, substance abuse, and substance dependence. (GEO 3)
6. Discuss human sexuality with its major components and consideration of reproductive choices. (GEO 1, 2, 3, 4)
7. Identify essential nutrients, their food sources, and why they are important to the body. (GEO 3)

ACTS Equivalent Course Number: HEAL 1003

PE 1121 - Kickboxing

1 Credits

High- and low-impact moves to develop flexibility, strength and endurance.

Course Level Objectives

Upon successful completion of this course, the student will be able to:

1. Discuss the importance of sound health and fitness principles as they relate to improving or maintaining health. (GEO 3)
2. Discuss the physical and mental benefits of increased activity in your personal experience. (GEO 4)
3. Discuss how to set and work toward realistic individual goals by participating in a variety of activities. (GEO 2, 4)
4. Demonstrate proficiency in the utilization of various training methods. (GEO 1)
5. Discuss the benefits of physical activity as a lifetime pursuit and a means to better health in relation to working in teams with a variety of cultures and backgrounds. (GEO 3, 4)

PE 1131 - Pilates

1 Credits

A challenging core endurance and back strengthening class.

Course Level Objectives

Upon successful completion of this course, the student will be able to:

1. Discuss the importance of sound health and fitness principles as they relate to improving or maintaining health. (GEO 3)

2. Discuss the physical and mental benefits of increased activity in your personal experience. (GEO 4)
3. Discuss how to set and work toward realistic individual goals by participating in a variety of activities. (GEO 2, 4)
4. Demonstrate proficiency in the utilization of various training methods. (GEO 1)
5. Discuss the benefits of physical activity as a lifetime pursuit and a means to better health in relation to working in teams with a variety of cultures and backgrounds. (GEO 3, 4)

PE 1221 - Core Abs and Stretching

1 Credits

A challenging core endurance class, alternating total body stretch moves.

Course Level Objectives

Upon successful completion of this course, the student will be able to:

1. Discuss the importance of sound health and fitness principles as they relate to improving or maintaining health. (GEO 3)
2. Discuss the physical and mental benefits of increased activity in your personal experience. (GEO 4)
3. Discuss how to set and work toward realistic individual goals by participating in a variety of activities. (GEO 2, 4)
4. Demonstrate proficiency in the utilization of various training methods. (GEO 1)
5. Discuss the benefits of physical activity as a lifetime pursuit and a means to better health in relation to working in teams with a variety of cultures and backgrounds. (GEO 3, 4)

PE 1231 - Cardio Circuit

1 Credits

Total body program that incorporates strength training, cardio, core work and flexibility. The workout is broken up into a variety of circuits, including a warm-up, cardio session and a cool-down.

Course Level Objectives

Upon successful completion of this course, the student will be able to:

1. Discuss the importance of sound health and fitness principles as they relate to improving or maintaining health. (GEO 3)
2. Discuss the physical and mental benefits of increased activity in your personal experience. (GEO 4)
3. Discuss how to set and work toward realistic individual goals by participating in a variety of activities. (GEO 2, 4)
4. Demonstrate proficiency in the utilization of various training methods. (GEO 1)
5. Discuss the benefits of physical activity as a lifetime pursuit and a means to better health in relation to working in teams with a variety of cultures and backgrounds. (GEO 3, 4)

PE 1261 - Total Barre Workout

1 Credits

The Total Barre workout is designed to tone, trim, and transform the body with a fusion of ballet, pilates, and resistance training. By blending movements with cardio, the "Barre" targets those trouble areas such as the hips, thighs, gluts, and core; delivering one workout with results.

PE 1281 - Boot Camp

1 Credits

This boot camp class mixes traditional calisthenics and body weight exercises with a variety of interval training. All components of physical fitness: cardiovascular endurance, muscular strength and endurance,

flexibility and body composition will be improved upon. In addition and equally important all aspects of skills related components will be stressed: power, speed, agility, coordination, reaction time, and balance.

PE 2041 - Spin Class

1 Credits

Spin class is a high-energy 50 minute indoor cycling class led by a motivating, trained instructor and accompanied by a unique playlist of powerful and energizing music. This type of fitness class is challenging, fun, and one of the best ways to improve cardiovascular fitness while burning excess calories. This low impact class is suitable for most students, and the class can accommodate all ability levels. Each student will learn how to set up their bike, riding techniques, and riding positions.

Course Level Objectives

Upon successful completion of this course, the student will be able to:

1. Discuss the importance of sound health and fitness principles as they relate to improving or maintaining health. (GEO 3)
2. Discuss the physical and mental benefits of increased activity in your personal experience. (GEO 4)
3. Discuss how to set and work toward realistic individual goals by participating in a variety of activities. (GEO 2, 4)
4. Demonstrate proficiency in the utilization of various training methods. (GEO 1)
5. Discuss the benefits of physical activity as a lifetime pursuit and a means to better health in relation to working in teams with a variety of cultures and backgrounds. (GEO 3, 4)

PE 2051 - Yoga Level II

1 Credits

Having learned basic Hatha yoga poses in PE 1051 - Beginning Yoga, in this class the student will be taught in the Vinyasa style. Flowing sun salutations will warm the body, strengthen and lengthen all major muscle groups while burning calories and gaining cardiovascular strength. This more challenging class continues to emphasize the fundamentals of yoga while presenting the poses and sequencing in a more challenging way.

Prerequisite: PE 1051 - Beginning Yoga

PE 2303 - Sports Officiating

3 Credits

This course is an introduction to the rules and officiating techniques related to basketball, football, and baseball.

PE 2501 - Walking for Fitness

1 Credits

A low-impact class using walking to provide exercise for the student at the lowest level of fitness.

Course Level Objectives

Upon successful completion of this course, the student will be able to:

1. Discuss the importance of sound health and fitness principles as they relate to improving or maintaining health. (GEO 3)
2. Discuss the physical and mental benefits of increased activity in your personal experience. (GEO 4)
3. Discuss how to set and work toward realistic individual goals by participating in a variety of activities. (GEO 2, 4)
4. Demonstrate proficiency in the utilization of various training methods. (GEO 1)

5. Discuss the benefits of physical activity as a lifetime pursuit and a means to better health in relation to working in teams with a variety of cultures and backgrounds. (GEO 3, 4)

Physics

PHYS 1114 - Physical Science*

4 Credits

Introduces the basic principles and concepts in the areas of physics, chemistry, earth science, and astronomy. Lab Fee.

Prerequisite: Appropriate placement score or LAD 9024 Foundations of College Math 2 with a grade of "C" or better.

Course Level Objectives

Upon successful completion of this course, the student will be able to:

1. Discuss the historical people, events, and technologies that have contributed to the discipline of the Physical Sciences. (GEO 1, 3)
2. Identify and apply the underlying chemical and physical principles and formulae that effect our world, such as Newton's laws, laws of electromagnetism, and atomic forces. (GEO 2, 3)
3. Recognize the scientific principles and methodologies utilized in the study of Physical Science. (GEO 3)
4. Identify the basic interactions of the physical world with humankind. (GEO 3)
5. Utilize the Scientific Method to properly perform laboratory experiments and apply this data to specific Physical Science questions. (GEO 2, 3)
6. Develop the ability to clearly communicate and write scientifically. (GEO 1)
7. Apply appropriate general laboratory techniques by using small group collaboration (GEO 4)

ACTS Equivalent Course Number: PHSC 1004

PHYS 1124 - Astronomy*

4 Credits

This course introduces the student to the concepts of the Solar System, Stars, Galaxies, Clusters, the Universe and Cosmology, as well as the physics, chemistry, and biology by which these operate. Lab Fee.

ACTS Equivalent Course Number: PHSC 1204

PHYS 1204 - General Physics I*

4 Credits

Designed to present students with fundamental laws, principles, and problem solving in mechanics, wave motion, sound, kinetic theory, heat, and thermodynamics. Lab fee.

Pre or Corequisite: MATH 1133 - Trigonometry* taken concurrently with this course or previously completed with a grade of "C" or better.

Course Level Objectives

Upon successful completion of this course the student will be able to:

1. Describe the basic laws that govern the mechanics of the physical universe. (GEO 3)
2. Apply mathematical formula in the analysis of these laws. (GEO 2, 3)

3. Explain the concepts of vectors, energy, momentum, force, and motion that are used to describe mechanics. (GEO 1, 3)
4. Describe statics (equilibrium conditions) and the equilibrium of extended bodies, and the concept of torque balance. (GEO 3)
5. Identify the basic mechanics of straight-line motion to circular motion, gravitational effects, fluids, vibrations, and mechanical waves. (GEO 3)
6. Describe the dynamics of heat and temperature. (GEO 3)
7. Use laboratory equipment to properly conduct experiments. (GEO 2, 3, 4)
8. Communicate clearly using scientific terms and methods both orally and in writing. (GEO 1)

ACTS Equivalent Course Number: PHYS 2014

Next Course in Sequence: PHYS 2204 General Physics II

PHYS 2114 - University Physics I*

4 Credits

Calculus-based course including introductory mechanics, heat and thermodynamics, kinetic theory, and sound. Lecture three hours, laboratory two hours. Lab Fee

Pre or Corequisite: MATH 2214 Calculus I*

Course Level Objectives

Upon successful completion of this course the student will be able to:

1. Describe the basic laws of Newtonian physics, work and energy, conservation, and momentum. (GEO 1, 3)
2. Apply mathematical formulae in the analysis of these laws. (GEO 2, 3)
3. Recognize and apply knowledge of proper measurement and error procedures. (GEO 3)
4. Identify the properties of vectors, fluids, and heat. (GEO 3)
5. Identify the properties of rotational kinematics and dynamics. (GEO 3)
6. Use laboratory equipment to properly conduct experiments (GEO 2, 3, 4)
7. Communicate clearly using scientific terms and methods both orally and in writing. (GEO 1)

ACTS Equivalent Course Number: PHYS 2034

Next Course in Sequence: PHYS 2124 University Physics II

PHYS 2124 - University Physics II*

4 Credits

Calculus-based course including introductory electricity and magnetism, wave motion, optics, and elementary quantum concepts. Lab Fee

Prerequisite: PHYS 2114 University Physics I*

Pre or Corequisite: MATH 2224 Calculus II*

Lecture three hours, laboratory two hours **Course Level Objectives**

Upon successful completion of this course, the student will be able to:

1. Describe properties of matter and the laws that govern thermodynamics and basic quantum mechanics. (GEO 1, 3)
2. Apply mathematical formulae in the analysis of these laws. (GEO 2, 3)

3. Identify the concepts of electrostatics, including electric forces, fields, waves, and flow of current and circuits. (GEO 3)
4. Recognize the behavior of magnetic fields and forces. (GEO 3)
5. Apply the laws of electromagnetism, such as Maxwell's equations and Lorentz's law, to specific problems. (GEO 2, 3)
6. Identify and explain the general properties of light, optics, and lenses. (GEO 1, 3)
7. Use laboratory equipment to properly conduct experiments (GEO 3, 4)
8. Communicate clearly using scientific terms and methods both orally and in writing. (GEO 1)

ACTS Equivalent Course Number: PHYS 2044

PHYS 2204 - General Physics II*

4 Credits Continuation of PHYS 1204 - General Physics I*. The study of geometrical and physical optics, electricity and magnetism, atomic and nuclear, and quantum theory. Lab Fee.

Prerequisite: PHYS 1204 - General Physics I*.

Course Level Objectives

Upon successful completion of this course, the student will be able to:

1. Describe the basic laws of modern physics, such as relativity, atomic structures, and quantum mechanics. (GEO 1, 3)
2. Apply mathematical formulae in the analysis of these laws. (GEO 2, 3)
3. Recognize the basic elements of electrostatics (electric charges, forces, fields, and energy). (GEO 3)
4. Identify the properties of light, electrical circuits, the electromagnetic spectrum, and optics. (GEO 3)
5. Use laboratory equipment to properly conduct experiments. (GEO 2, 3, 4)
6. Communicate clearly using scientific terms and methods both orally and in writing. (GEO 1)

ACTS Equivalent Course Number: PHYS 2024

Practical Nurse Program

PNP 1214 - Fundamentals of Nursing

14 Credits

This course provides an introduction to curricular concepts, practical nurse roles and the development of fundamental concepts, skills, and the legal/ethical principles in delivering safe and effective nursing care across the adult life span. Subsequent courses are built upon the concepts and skills learned in this course and integrates the relation of medical-surgical conditions and effects on the normal aging process. Opportunities will be provided for the delivery of patient-centered care in the promotion, maintenance, and restoration of health. The clinical component includes fundamentals of nursing principles and skills in the delivery of care to the adult and older adult with medical-surgical conditions in a variety of settings (e.g., laboratory, acute, sub-acute, long term care); introducing nutrition, safety, comfort, and preventive measures in the promotion of health. Clinical research may be required concerning patient care, medications, treatments including diet therapy and procedures.

Prerequisite: PNP 1225 Anatomy And Physiology or BIOL 2224 Anatomy & Physiology I*, and BIOL 2234 Anatomy & Physiology II*

Corequisite: PNP 1232 Mental Health Nursing and PNP 1342 Pharmacology

Course Level Objectives

Upon successful completion of this course the student will be able to:

1. Demonstrate nursing skills using the basic scientific and technical knowledge to provide safe patient care. (PLO 2)
2. Describe the characteristics and responsibilities of the practical nurse. (PLO 7)
3. Use therapeutic communication when collaborating with patients and the health care team. (PLO 1, 4)
4. Demonstrate ability to follow instructions and exercise judgement within the scope of the practical nurse. (PLO 7)
5. Differentiate between cultures to individualize client care. (PLO 8)
6. Identify abuse and neglect issues and the role of the mandated reporter. (PLO 7)
7. Recognize infection control practices in both lab demonstration and clinical rotations to provide safe quality nursing care. (PLO 2)
8. Utilize basic nursing process for clinical decision making in patient care. (PLO 3)
9. Demonstrate the knowledge and competency according to the required competency level in: (PLO 2)
(a) Vital Signs, (b) Physical Assessment, (c) Donning Sterile Gloves, (d) Sterile Dressing, (e) Foley Catheterization
10. Meets all clinical learning objectives. (PLO 2, 3, 4, 5, 7, 8)
11. Meets simulation learning objectives. (PLO 1, 2, 3, 4, 8)

Next Course in Sequence: PNP 1425 Nursing of Mothers and Children, PNP 1473 Medical Surgical Nursing

PNP 1225 - Anatomy And Physiology

5 Credits

Examines the human body and its systems as a foundation for understanding the principles of maintaining positive health as well as understanding deviations from the norm. Each unit in this course involves the study of a major system of the body and the interlocking dependency of one system upon another, with contributions of each system to the wellbeing of the body as a whole. Integrated campus labs are scheduled.

Course Level Objectives

Upon successful completion of this course the student will be able to:

1. Recall the terms and definitions of each body system. (PLO 2)
2. Define commonly used directional terms. (PLO 2)
3. Identify the characteristics, components and functions of each of the body systems and their relation to each other. (PLO 2)
4. Describe each system of the body, stating its function(s) and its primary and accessory organs. (PLO 2)

Next Course in Sequence: PNP 2 Mental Health Nursing, PNP 1342 Pharmacology I, PNP 1410 Fundamentals of Nursing

PNP 1232 - Mental Health Nursing

2 Credits

This course includes an introduction to common conditions of mental illness, prevention of such conditions, and the care of the patient suffering from abnormal mental and emotional responses. (Mental hygiene aspects will be integrated throughout the course.)

Prerequisite: PNP 1225 Anatomy And Physiology or BIOL 2224 Anatomy & Physiology I*, and BIOL 2234 Anatomy & Physiology II*

Corequisite: PNP 1214 Fundamentals of Nursing and PNP 1342 Pharmacology

Course Level Objectives

Upon successful completion of this course the student will be able to:

1. Recognize the LPN role in mental health nursing. (PLO 2, 3, 5)
2. Demonstrate the knowledge and ability to care for the individual's mental health needs. (PLO 1, 2, 3, 5, 8)
3. Differentiate between mental health and mental illness (PLO 2)
4. Demonstrate the components of a therapeutic nurse-patient relationship. (PLO 1, 4, 6, 7, 8)
5. Recognize alterations in body systems related to specific mental-health disorders. (PLO 2, 3)
6. Utilize therapeutic communication techniques. (PLO 1, 4, 5, 6)
7. Identify a therapeutic milieu. (PLO 1, 4, 8)
8. Meets all clinical learning objectives. (PLO 1, 2, 3, 4)

ACTS Equivalent Course Number: BIOL 2004

Next Course in Sequence: PNP 1424 Nursing of Mothers and Children

PNP 1342 - Pharmacology

2 Credits

This course is designed to teach how to determine proper dosage, administration, and monitoring of medications with an emphasis for safety, precision, and attention to important physiologic factors. The student will learn the importance of integrating patient education about medications into the treatment plan, as well as description of the nursing process and its relationship to medication delivery to the adult and older adult populations. Math concepts include the various systems of measurements used in nursing and conversion between systems, common abbreviations, calculation of drug dosages and specific drug formulas.

Prerequisite: PNP 1225 Anatomy And Physiology or BIOL 2224 Anatomy & Physiology I* and BIOL 2234 Anatomy & Physiology II*

Corequisite: PNP 1232 Mental Health Nursing and PNP 1214 Fundamentals of Nursing

PNP 1425 - Nursing of Mothers and Children

5 Credits

This course includes modern aspects of maternity nursing with an emphasis on normal obstetrics from the prenatal to the postnatal period and the growth and development of the newborn from conception to adolescence including anatomy and physiology, communication skills, prenatal care, labor and delivery, postpartum, care of the well newborn, women's health, and family planning. Normal growth and development, as well as, deviations from normal, are explored in the course. Opportunities in maternal child nursing will be provided in a variety of settings (e.g., simulation laboratory, acute and sub-acute care settings) with an emphasis on safe and competent care, including the administration of medications and the performance of nursing procedures. Research is required before the clinical experience.

Prerequisite: PNP 1214 Fundamentals of Nursing, PNP 1342 Pharmacology, and PNP 1232 Mental Health Nursing

Corequisite: PNP 1473 Medical Surgical Nursing

Course Level Objectives

Upon successful completion of this course, the student will be able to:

1. Provide safe, quality patient-centered care to patients in the maternal/newborn/pediatric setting. (PLO1, 2, 3)
2. Implement therapeutic communication strategies with peers, patients, families, faculty, and other members of the healthcare team in the culturally diverse maternal/child/pediatric setting. (PLO1, 4)
3. Identify cultural differences that could affect the care of the maternal/newborn/pediatric patient and/or identify therapeutic communication techniques that are appropriate. (PLO 4, 8)
4. Discuss abnormal signs and symptoms in the maternal/newborn/pediatric patient. (PLO 2, 3, 4, 5)
5. Compare the needs of the healthy, normal child to those of the ill or developmentally delayed child. (PLO2, 3).
6. Identify principles of growth and development in planning safe care for the infant, toddler, preschooler, school age, and adolescent child. (PLO 2, 3)
7. Apply the reporting responsibilities of the Licensed Practical Nurse in relation to child abuse or maltreatment. (PLO 2, 4, 6, 7)
8. Demonstrate leadership skills by delegating nursing care when appropriate. (PLO 1, 2, 6)
9. Discuss common pediatric conditions, treatment, and outcome of the condition. (PLO 2, 3)
10. Recognize the role and scope of the practical nurse and the need for adequate supervision in this highly specialized field of nursing care. (PLO 2, 3, 6)
11. Meets all clinical learning objectives.
12. Meets simulation learning objectives.

PNP 1473 - Medical Surgical Nursing

13 Credits

This course introduces the student to the concepts of medical-surgical nursing including simple to moderately complex conditions of illness and the nursing care and management of patients in acute, sub-acute or convalescent states of illness, short and long term duration, nutrition and treatment modalities. It builds on concepts from PNP 1214 Fundamentals of Nursing and PNP 1342 Pharmacology. This course includes a continuation of the clinical experience in various healthcare and laboratory settings that allows for the care of medical surgical patients with physical and psychological needs in the provision of safe and effective care. Emphasis is on safe care including the administration of medication, performance of nursing procedures and coordination of care which includes legal and ethical reasoning. Research may be required before the clinical experience.

Prerequisite: PNP 1214 Fundamentals of Nursing, PNP 1342 Pharmacology, and PNP 1232 Mental Health Nursing

Corequisite: PNP 1425 Nursing of Mothers and Children

Course Level Objectives

Upon successful completion of this course, the student will be able to:

1. Relate client assessment and management data to members of the health team in order to promote collaborative preventive care. (PLO 1, 2, 4)
2. Identify diagnostic studies used to help manage care of the client. (PLO 3)
3. Discuss the impact of cultural differences when caring for the adult patient. (PLO 8)
4. Distinguish between different disorders of each body system and apply the knowledge in the clinical setting. (PLO 2, 3)
5. Demonstrate the knowledge, skill and attitude to promote safe client centered care. (PLO 2)
6. Utilize critical thinking skills when making decisions about medication administration. (PLO 2, 3, 5)
7. Recognize the role and scope of the practical nurse and the need for adequate supervision in the highly specialized field of nursing care. (PLO 7)

8. Participate in the planning and implementation of care for the client receiving medications. (PLO 2, 3, 5)
9. Meets all clinical learning objectives.
10. Meets simulation learning objectives.

Political Science

POLS 1113 - American National Government*

3 Credits

Studies the historical and modern role of government in American life. Specific attention is given to constitutional development and the various mechanisms of contemporary American politics.

Course Level Objectives

Upon successful completion of this course, the student will be able to:

1. Identify the key elements of the Declaration of Independence, the United States Constitution (i.e., the Supremacy, Commerce, Elastic, and Full Faith and Credit clauses), and of the Bill of Rights. (GEO 3)
2. Demonstrate knowledge of procedural democracy through an examination of the policymaking processes of the three branches of government, the separation of powers in the federal system, the electoral process and political parties, and the influence of interest groups. (GEO 3)
3. Demonstrate knowledge of procedural democracy through an examination of the policymaking processes of the three branches of government, the separation of powers in the federal system, the electoral process and political parties, and the influence of interest groups. (GEO 3)"
4. Apply critical thinking skills to understand how political socialization, the media and public opinion, and political ideology affect the individual student's personal values of equality, order, and freedom. (GEO 2, 3)
5. Interpret data that relates to governmental functions and policymaking and integrate the data into written assignments, discussion board posts, or other classroom work. (GEO 2, 3)
6. Discuss the connection between the democratic process and questions of race, gender, and class through a review of civil rights, civil liberties, and current social equality issues. (GEO 1, 3, 4)

ACTS Equivalent Course Number: PLSC 2003

POLS 1123 - American State And Local Government*

3 Credits

Principles and practices of state, county, and municipal government, their variety across America, and movements toward reform in larger metropolitan governments.

Course Level Objectives

Upon successful completion of this course, the student will be able to:

1. Explain how the U.S. Constitution defines federalism and the relationship between federal and state/local power. (GEO 3)
2. Describe the basic structures and responsibilities of state/local government institutions. (GEO 3)
3. Analyze the functioning and influence of political parties and interest groups at the state/local level. (GEO 2, 3)
4. Demonstrate an ability to utilize primary and secondary sources, the internet, and quantitative data to write coherent papers, discussion posts, or other assignments relating to state/local governance. (GEO 2, 3)

5. Analyze modes of policy making at the state/local levels in the variety of fiscal, social, and legal sectors. (GEO 1, 3, 4)

ACTS Equivalent Course Number: PLSC 2103

Psychology

PSYC 1103 - General Psychology*

3 Credits

Focus on the scientific study of behavior and its development as a distinct field of study. A survey course which considers the brain, states of consciousness, motivation, emotion, stress, learning, intelligence, personality, abnormal behavior, therapy, and social psychology.

Course Level Objectives

Upon successful completion of this course, the student will be able to:

1. Demonstrate knowledge of the major concepts, theoretical perspectives, empirical findings, and historical trends in psychology. (GEO 3)
2. Apply basic research methods in psychology, including research design, data analysis, and interpretation. (GEO 2)
3. Use critical and creative thinking, skeptical inquiry, and, when possible, the scientific approach to solve problems related to behavior and mental processes. (GEO 2, 3)
4. Apply psychological principles to personal, social, and organizational issues. (GEO 2, 3)
5. Write effectively utilizing the discipline-accepted APA format. (GEO 1, 3)
6. Recognize the complexity of sociocultural and international diversity. (GEO 3, 4)
7. Identify the mental processes that govern the student's own behavior, and that of others. (GEO 3, 4)
8. Demonstrate effective strategies for self-management and self-improvement. (GEO 3, 4)

ACTS Equivalent Course Number: PSYC 1103

PSYC 2013 - Developmental Psychology*

3 Credits Genetic, maturational, and environmental factors are integrated in the study of behavior from infancy through adulthood.

Prerequisite: PSYC 1103 - General Psychology*

Course Level Objectives

Upon successful completion of this course, the student will be able to:

1. Evaluate the major behavioral, cognitive, psychoanalytic, and sociocultural theories regarding development. (GEO 2, 3)
2. Explore the milestones of human development from conception to death. (GEO 3)
3. Describe the genetic, physical, cognitive, social, and emotional growth of individuals. (GEO 1, 3)
4. Identify the different cultural contexts of development and be able to integrate their personal experiences and observations of human growth. (GEO 3, 4)
5. Evaluate how research on the lifespan is conducted using different research designs and methodologies. (GEO 2, 3)

ACTS Equivalent Course Number: PSYC 2103

PSYC 2163 - Abnormal Psychology

3 Credits

Designed to survey the principle forms of abnormal behavior. Causes, symptoms, classification, treatment, and prevention will be addressed.

Prerequisite: PSYC 1103 - General Psychology*.

Course Level Objectives

Upon successful completion of this course, the student will be able to:

1. Link the scientific method to the investigation of human issues by recognizing the methods that are used to explore human behavior and the essential features of experimental design. (GEO 3)
2. Examine cultural diversity and the related social issues of a diverse population. (GEO 4)
3. Distinguish between the major psychological approaches to the study of behavior such as the salient features of the cognitive, behavioral, humanistic and psychodynamic models. (GEO 2 & 3)
4. Demonstrate knowledge of the key contributors, primary issues, and basic terminology in psychological study. (GEO 3)
5. Discuss the complex mechanisms that influence human behavior with an emphasis on the bio-psycho-social analysis. (GEO 1, 2, 3, 4)
6. Communicate effectively, both in writing and orally, using English and appropriate technology. (GEO 1)

Radiologic Technology

RAD 1002 - Radiographic Phlebotomy

2 Credits

Students become familiar with the equipment and procedures to collect blood samples, the proper approach to patients, and will practice techniques until proficient. The organization and operation of laboratories in a variety of institutions will be taught. This course will include venipuncture, venous anatomy, supplies and procedural techniques specific to the Radiography student per ARRT accreditation guidelines. This course is an introductory course. Upon completion, students are not awarded certificates nor can they sit for a national certification exam.

Prerequisite: RAD 1303 - Introduction To Radiography, RAD 1404 - Radiographic Procedures I, RAD 1502 - Clinical Education I, or Instructor Permission

Corequisite: RAD 1802 - Radiographic Exposure, RAD 1902 - Radiation Protection & Biology, RAD 1704 - Radiographic Procedures II, RAD 1512 - Clinical Education II, or Instructor Waiver

Course Level Objectives

Upon successful completion of this course, the student will be able to:

1. Identify basic concepts in laboratory practice including safety, infection control, and quality assurance. (PLO 8)
2. Apply basic medical terminology frequently used in the laboratory setting. (PLO 8)
3. Demonstrate effective professional behavior with communication including personal and patient interaction. (PLO 1, 6)
4. Recognize issues of liability and ethics in the medical setting. (PLO 8)
5. Demonstrate leadership and accountability when collaborating with all members of the health care team. (PLO 2, 7)
6. Demonstrate an understanding of critical thinking and problem-solving skills in dealing with culturally, ethnically, and socially diverse patients. (PLO 5)

7. Demonstrate critical thinking and prioritization of workload when dealing with patients that have complex health problems. (PLO 3)
8. Demonstrate an understanding of the importance of specimen collection in the overall patient care system. (PLO 8)
9. Identify types of blood collection devices, various additives used, and substances that can interfere in analysis of blood components. (PLO 8)
10. Demonstrate proper technique in collection of venous and capillary blood specimens, labeling, handling, and processing of patient specimens. (PLO 8)
11. Describe proper techniques and uses of devices specific for injection of radiographic contrast materials. (PLO 8)

RAD 1303 - Introduction To Radiography

3 Credits

This course will consider important aspects of the profession of radiologic technology for the beginning radiologic technology student. Topics will include basic radiation protection, the history of radiologic technology, an overview of the profession, the production of radiographic images, patient care, and professional ethics and medico-legal considerations toward defining the role of the radiographer as a member of the health care team.

Prerequisite: Completion of all program prerequisite courses (26 credit hours) with a grade of "C" or better

Corequisite: RAD 1404 - Radiographic Procedures I, RAD 1502 - Clinical Education I

Course Level Objectives

Upon successful completion of this course the student will be able to:

1. Explain the professional environment and the role of the radiographer. (PLO 6, 8)
2. Describe the process for the production of radiographic images and the radiographic imaging chain. (PLO 4)
3. Apply basic principles of radiation protection and safety. (PLO 4)
4. Explain the necessary aspects of patient care expected by the radiographer including assessment of one's patient. (PLO 6, 8)
5. Describe infection control in the health care setting. (PLO 8)

Next Course in Sequence: RAD 1002 Radiographic Phlebotomy, RAD 1512 Clinical Education II, RAD 1704 Radiographic Procedures II, RAD 1602 Radiographic Exposure, RAD 1902 Radiation Protection and Biology

RAD 1404 - Radiographic Procedures I

4 Credits

This course is designed to give students a sound basis for the positioning of patients for radiographic procedures which demonstrate anatomical structures and organs of the body. This course includes: positioning nomenclature, positioning of the chest, abdomen, and upper extremities. This course provides precise and detailed information on the various positions and will be supplemented with instruction and application in the skills lab and clinical setting.

Prerequisite: Completion of all program prerequisite courses (26 credit hours) with a grade of "C" or better.

Corequisite: RAD 1404 - Radiographic Procedures I, RAD 1502 - Clinical Education I

Course Level Objectives

Upon successful completion of this course the student will be able to:

1. Identify anatomy of the chest, abdomen, upper extremities and shoulder girdle. (PLO 3, 4, 8)

2. Describe and perform various positions for imaging purposes. (PLO 3, 4, 8)
3. Demonstrate patient positioning in the laboratory setting through role play. (PLO 3, 4, 6, 8)
4. Create radiographic images on the phantom pixie in the laboratory. (PLO 3, 4, 6, 8)

Next Course in Sequence: RAD 1002 Radiographic Phlebotomy, RAD 1512 Clinical Education II, RAD 1704 Radiographic Procedures II, RAD 1802 Radiographic Exposure, RAD 1902 Radiation Protection & Biology,

RAD 1502 - Clinical Education I

2 Credits

This course is designed to orient the student Radiographer to the hospital setting and its procedures. Students learn through observation and assistance in the clinical setting. Students will begin practical experiences such as: the application of ethical conduct, patient care procedures involving physical and emotional needs, basic radiation protection principles, and assistance/observation of patient positioning and radiographic exposure.

Prerequisite: Completion of all program prerequisite courses (26 credit hours) with a grade of "C" or better.

Corequisite: RAD 1303 - Introduction To Radiography, RAD 1404 - Radiographic Procedures I

Course Level Objectives

Upon successful completion of this course the student will be able to:

1. Identify basic terminology used daily in an imaging department. (PLO 2, 3, 6)
2. Assist and observe in Radiologic examinations in all areas of rotation. (PLO 1, 2, 3, 5, 8)
3. Manipulate general Radiographic equipment and demonstrate basic patient care techniques. (PLO 1, 2, 3, 5, 8)
4. Describe basic criteria for radiation protection for personnel, patients and others. (PLO 3, 7, 8)
5. Demonstrate professionalism within legal and ethical standards of a Radiologic Technologist. (PLO 7, 8)
6. Perform a minimum of two competency procedures. (PLO 5, 7, 8)

Next Course in Sequence: RAD 1002 Radiographic Phlebotomy, RAD 1512 Clinical Education II, RAD 1704 Radiographic Procedures II, RAD 1802 Radiographic Exposure, RAD 1902 Radiation Protection & Biology

RAD 1512 - Clinical Education II

2 Credits

This course is a continuation of RAD 1502 Clinical Education I and is designed to further the student's proficiency in the clinical setting. The student will have the opportunity to apply theory in the clinical setting with emphasis on patient care procedures, exposure techniques, protection, and positioning.

Prerequisite: RAD 1303 - Introduction To Radiography, RAD 1404 - Radiographic Procedures I, RAD 1502 - Clinical Education I

Corequisite: RAD 1802 - Radiographic Exposure, RAD 1902 - Radiation Protection & Biology, RAD 1704 - Radiographic Procedures II, RAD 1002 - Radiographic Phlebotomy

Course Level Objectives

Upon successful completion of this course, the student will be able to:

1. Demonstrate sympathetic, empathetic and/or compassion for diverse patient populations. (PLO 1, 5)
2. Assist and perform radiologic examinations in all areas of clinical rotation while collaborating with members of the interdisciplinary health care team, patient and families. (PLO 2, 6)

3. Employ effective radiation protection methods for personnel, patients and others. (PLO 4, 8)
4. Perform procedures following evidence based safety principles. (PLO 4, 8)
5. Demonstrate leadership and professionalism within legal and ethical standards of a Radiologic Technologist. (PLO 7, 8)
6. Perform a minimum of four competency procedures of the radiographic examinations covered in Radiologic Procedures I & II. (PLO 3, 8)
7. Determine and provide culturally sensitive care to diverse populations. (PLO 1, 5)
8. Compare & contrast the different types of radiation exposure to the patient based upon type of x-ray equipment utilized. (PLO 3, 8)

Next Course in Sequence: RAD 1803 Radiographic Procedures II and RAD 2002, Clinical Education III

RAD 1704 - Radiographic Procedures II

4 Credits

This course provides instruction in the radiographic positioning of structures and organs of the human body, and is a continuation of RAD 1404 - Radiographic Procedures I. Positioning includes lower extremities, hip, pelvis, cervical spine, thoracic spine, lumbar spine, sacrum, coccyx, and contrast studies. The course will provide precise and detailed information on positions and will be supplemented with instruction and application in the lab and clinical site.

Prerequisite: RAD 1303 - Introduction To Radiography, RAD 1404 - Radiographic Procedures I, RAD 1502 - Clinical Education I

Corequisite: RAD 1802 - Radiographic Exposure, RAD 1902 - Radiation Protection & Biology, RAD 1512 - Clinical Education II, RAD 1002 - Radiographic Phlebotomy

Course Level Objectives

Upon successful completion of this course, the student will be able to:

1. Identify anatomy of the gastrointestinal system, lower extremities, pelvis and spine. (PLO 3)
2. Determine correct projections required for each radiologic examination performed. (PLO 4, 8)
3. Demonstrate caring values and professionalism while performing simulated procedures during role play in the laboratory setting. (PLO 6, 8)
4. Create radiographic images on the phantom pixie in the laboratory setting. (PLO 4, 8)
5. Critique images for positioning accuracy and technical factor selection. (PLO 4, 8)
6. Demonstrate appropriate technical factors while producing images in a laboratory setting. (PLO 3, 4)
7. Perform procedures following evidence based safety principles. (PLO 8)

Next Course in Sequence: RAD 1803 Radiographic Procedures III, RAD 2002 Clinical Education III

RAD 1802 - Radiographic Exposure

2 Credits

This course is designed to give students a sound basis for formulating exposure techniques needed to obtain the most accurate radiographs for patient diagnosis. Factors affecting radiographic quality, including density, contrast, detail and distortion will be discussed as well as automatic exposure controls, technique charts, image receptors, beam restricting devices, and grids.

Prerequisite: RAD 1303 - Introduction To Radiography, RAD 1404 - Radiographic Procedures I, RAD 1502 - Clinical Education I

Corequisite: RAD 1902 - Radiation Protection & Biology, RAD 1704 - Radiographic Procedures II, RAD 1512 - Clinical Education II, RAD 1002 - Radiographic Phlebotomy

Course Level Objectives

Upon successful completion of this course, the student will be able to:

1. Analyze the factors that affect image quality. (PLO 4, 8)
2. Apply critical thinking skills necessary to calculate safe imaging techniques. (PLO 3, 4)
3. Apply mathematical formulas to solve problems. (PLO 3, 4)
4. Identify the factors that contribute to scatter radiation. (PLO 4, 8)
5. Explain the types of beam restricting devices. (PLO 4, 8)
6. Produce radiographic images demonstrating overexposure, underexposure, distortion, and quality spatial resolution in the laboratory setting. (PLO 7, 8)
7. Discuss techniques in the resolution of overexposure, underexposure, distortion, and quality spatial resolution in the laboratory setting. (PLO 7, 8)

Next Course in Sequence: RAD 1803 Radiographic Procedures III

RAD 1803 - Radiographic Procedures III

3 Credits

This course provides instruction in the radiographic positioning of structures and organs of the human body, and is a continuation of RAD 1704 - Radiographic Procedures II. Positioning for skull, facial bones, intravenous urography and the bony thorax are covered. The course shall provide precise and detailed information on the various positions and will be supplemented with instruction and application in the skills lab and clinical site. The skills lab will be held during the class period.

Prerequisite: RAD 1802 - Radiographic Exposure, RAD 1902 - Radiation Protection & Biology, RAD 1704 - Radiographic Procedures II, RAD 1512 - Clinical Education II, RAD 1002 - Radiographic Phlebotomy

Corequisite: RAD 2002 - Clinical Education III

Course Level Objectives

Upon successful completion of this course the student will be able to:

1. Identify anatomy of the Bony thorax, skull, sinuses, facial bones and urinary system. (PLO 3, 4, 8)
2. Describe and perform various positions for imaging purposes. (PLO 3, 4, 8)
3. Demonstrate patient positioning in the laboratory setting through role play. (PLO 3, 4, 6, 8)
4. Create radiographic images on the phantom pixie in the laboratory. (PLO 3, 4, 6, 8)

Next Course in Sequence: RAD 2302 Radiation Physics, RAD 2503 Advanced Radiographic Procedures, RAD 2603 Clinical Education IV

RAD 1903 - Radiation Protection & Biology

3 Credits

This course provides information on radiation protection, basic interaction of radiation and matter and the biologic effects of ionizing radiation. Dose limits for human exposure to radiation and implementation of patient and personnel radiation protection practices are included.

Prerequisite: RAD 1002 - Radiographic Phlebotomy, RAD 1704 - Radiographic Procedures II, RAD 1802 - Radiographic Exposure, RAD 1512 - Clinical Education II

Corequisite: RAD 1802 - Radiographic Exposure, RAD 1704 - Radiographic Procedures II, RAD 1512 - Clinical Education II, RAD 1002 - Radiographic Phlebotomy

Course Level Objectives

Upon successful completion of this course, the student will be able to:

1. Apply basic principles of radiation protection and safety to patients and personnel. (PLO 4, 8)
2. Describe interactions with matter. (PLO 4)
3. Classify radiation quantities and units. (PLO 4)
4. Examine cell biology and how it relates to the effects of radiation in the human body. (PLO 4, 8)
5. Examine dose limits and their importance for occupationally exposed individuals. (PLO 4, 8)
6. Differentiate appropriate radiation protection practices used in selected patient situations (PLO 4, 8)

Next Course in Sequence: RAD 1803 Radiographic Procedures III

RAD 2002 - Clinical Education III

2 Credits

This course is a continuation of RAD 1512 Clinical Education II and is designed to further the student's proficiency in the clinical setting. The student will perform supervised diagnostic procedures with refinement of experience gained in RAD 1502 - Clinical Education I and RAD 1512 - Clinical Education II.

Prerequisite: RAD 1802 - Radiographic Exposure, RAD 1902 - Radiation Protection & Biology, RAD 1704 - Radiographic Procedures II, RAD 1512 - Clinical Education II, RAD 1002 - Radiographic Phlebotomy

Corequisite: RAD 1803 - Radiographic Procedures III

Course Level Objectives

Upon successful completion of this course the student will be able to:

1. Demonstrate the ability to operate imaging equipment, adjust console for proper technical factors and practice radiation protection when applicable. (PLO 4)
2. Evaluate images for optimum anatomy and positioning. (PLO 3, 4)
3. Communicate with patients and health care team in an effective manner. (PLO 2, 6)
4. Demonstrate professionalism within legal and ethical standards of a Radiologic Technologist. (PLO 7, 8)
5. Perform a minimum of six competency procedures. (PLO 4)

Next Course in Sequence: RAD 2302 Radiation Physics, RAD 2503 Advanced Radiographic Procedures, RAD 2603 Clinical Education IV

RAD 2302 - Radiation Physics

2 Credits

This course is the study of basic electricity to include magnetism, magnetic induction, and transformers. Students are introduced to the interactions of x-rays with matter, basic x-ray circuits, methods of rectification, construction of x-ray tubes, and methods of radiation detection and measurement.

Prerequisite: RAD 1803 - Radiographic Procedures III, RAD 2002 - Clinical Education III

Corequisite: RAD 2503 - Advanced Radiographic Procedures, RAD 2603 - Clinical Education IV

Course Level Objectives

Upon successful completion of this course the student will be able to:

1. Discuss the fundamentals of electrical and radiation physics. (PLO 3, 4)
2. Identify the basic principles that underlie the operation of the x-ray machine. (PLO 3, 4)
3. Compare the nature and behavior of radiation. (PLO 3, 4)

4. Describe the types, ranges and capacities of x-ray equipment. (PLO 3, 4)

Next Course in Sequence: RAD 2703 Clinical Education V, RAD 2803 Radiographic Pathology, RAD 2902 Image Quality and Processing

RAD 2503 - Advanced Radiographic Procedures

3 Credits

This course is intended to present an introduction to advanced radiographic procedures, and other special imaging modalities. These include invasive contrast and non-contrast procedures and the environment in which they are performed. Skills lab activities are integrated throughout the class period.

Prerequisite: RAD 1803 - Radiographic Procedures III, RAD 2002 - Clinical Education III

Corequisite: RAD 2302 - Radiation Physics, RAD 2603 - Clinical Education IV

Course Level Objectives

Upon successful completion of this course the student will be able to:

1. Identify medications and related medication information required for invasive procedures. (PLO 6, 7, 8)
2. Describe emergency responses and acute situations that apply to advanced radiographic procedures. (PLO 6, 7, 8)
3. Demonstrate surgical asepsis required for invasive procedures. (PLO 3, 8)
4. Define anatomy visualized and describe the specialized items required for each advanced radiographic examination. (PLO 4, 8)

Next Course in Sequence: RAD 2703 Clinical Education V, RAD 2803 Radiographic Pathology, RAD 2902 Image Quality and Processing

RAD 2603 - Clinical Education IV

3 Credits

This course is a continuation of RAD 2002 Clinical Education III and is designed to reinforce technical skills in fundamental radiographic procedures and to develop a better understanding of more intricate procedures. Emphasis is placed on patient care, application of radiation protection principles, medical ethics, and exposure factor principles.

Prerequisite: RAD 1803 - Radiographic Procedures III, RAD 2002 - Clinical Education III

Corequisite: RAD 2503 - Advanced Radiographic Procedures, RAD 2302 - Radiation Physics

Course Level Objectives

Upon successful completion of this course the student will be able to:

1. Demonstrate advanced technical skills with increased number of procedures. (PLO 3, 4)
2. Apply knowledge of manual techniques with a variety of procedures. (PLO 3, 4)
3. Develop basic knowledge/concepts for special modalities. (PLO 3, 4)
4. Collaborate with Technologist to apply principles of care in special modalities. (PLO 1, 3, 4, 5)
5. Demonstrate professionalism within legal and ethical standards of a Radiologic Technologist. (PLO 1, 3, 4, 5)
6. Perform a minimum of ten competency procedures. (PLO 3, 4, 8)

Next Course in Sequence: RAD 2703 Clinical Education V, RAD 2803 Radiographic Pathology, RAD 2902 Image Quality and Processing

RAD 2703 - Clinical Education V

3 Credits

This course is a continuation of RAD 2603 Clinical Education IV and is designed to refine technical skills in trauma and portable radiography and to progress towards completion of the students final clinical competencies.

Prerequisite: AD 2503 - Advanced Radiographic Procedures, RAD 2302 - Radiation Physics, RAD 2603 - Clinical Education IV

Corequisite: RAD 2803 - Radiographic Pathology, RAD 2902 - Image Quality And Processing

Course Level Objectives

Upon successful completion of this course, the student will be able to:

1. Apply knowledge of manual imaging techniques with a variety of procedures. (PLO 4)
2. Apply knowledge and/or concepts for advanced radiographic procedures performed in the clinical setting. (PLO 3)
3. Collaborate with technologists in order to apply principles of patient care in various imaging modalities. (PLO 2, 6)
4. Perform simulated examinations in the laboratory setting. (PLO 7, 8)
5. Communicate with patients, families and members of the healthcare team in a caring, professional manner. (PLO 1, 6)
6. Practices professionalism within legal and ethical standards of a Radiologic Technologist. (PLO 7)
7. Perform a minimum of ten competency procedures of the radiographic examinations covered in Radiologic Procedures I, II, III & Advanced Radiographic procedures. (PLO 3, 8)
8. Determine and provide culturally sensitive care to diverse populations. (PLO 5)
9. Compare & contrast the different types of radiation exposure to the patient based upon type of x-ray equipment utilized. (PLO 4)
10. Perform procedures of current and previous semesters with knowledge of safety principles. (PLO 4, 8)
11. Perform procedures following evidence based safety principles. (PLO 4, 8)

Next Course in Sequence: RAD 2913 Radiographic Seminar, RAD 2901 Clinical Education VI.

RAD 2803 - Radiographic Pathology

3 Credits

This course will provide a general overview of diseases. This will include an introduction to pathology and associated terminology, description of specific disease, radiographic appearance, methods of detection, and treatment methods. The course will include review of appropriate radiographs.

Prerequisite: RAD 2503 - Advanced Radiographic Procedures, RAD 2302 - Radiation Physics. RAD 2603 - Clinical Education IV

Corequisite: RAD 2902 - Image Quality And Processing, RAD 2703 - Clinical Education V

Course Level Objectives

Upon successful completion of this course, the student will be able to:

1. Define terms related to pathology. (PLO 3, 4)

2. Predict the changes required in technical factors of the radiographic image for specific disease processes. (PLO 3, 4)
3. Describe the various immune responses of the body to selected diseases. (PLO 3, 4)
4. Evaluate specific diseases and identify etiology and methods of detection. (PLO 3, 4)
5. Compare, contrast and discuss treatment options and overall prognosis for specific disease processes. (PLO 2, 6)

Next Course in Sequence: RAD 2913 Radiographic Seminar

RAD 2902 - Image Quality And Processing

2 Credits

This course will provide information on image processing and quality assurance. This course will focus on digital radiography systems and picture archiving and communication systems (PACS).

Prerequisite: RAD 2503 - Advanced Radiographic Procedures, RAD 2302 - Radiation Physics, RAD 2603 - Clinical Education IV

Corequisite: RAD 2803 - Radiographic Pathology, RAD 2703 - Clinical Education V

Course Level Objectives

Upon successful completion of this course, the student will be able to:

1. Compare and contrast the types of digital image processing and the components found in each system. (PLO 3, 4)
2. Describe picture archiving and communication systems. (PLO 4)
3. Establish criteria for digital image evaluation based upon technical factor selection between types of digital radiography. (PLO 3, 4)
4. Evaluate factors involved with digital imaging acquisition and manipulation. (PLO 3, 4)
5. Collaborate in the laboratory setting to produce optimal images on the CR system. (PLO 6, 7)
6. Compare technical factor selection between the types of digital radiography. (PLO 3, 4)

Next Course in Sequence: RAD 2913 Radiographic Seminar

RAD 2913 - Radiographic Seminar

3 Credits

This course provides an overview of the course materials presented throughout the program. Students will perform simulated registry examinations to prepare for the American Registry of Radiologic Technologists registry examination taken at the completion of the program.

Prerequisite: RAD 2503 - Advanced Radiographic Procedures, RAD 2302 - Radiation Physics. RAD 2603 - Clinical Education IV

Corequisite: RAD 2902 - Image Quality and Processing, RAD 2803 - Radiographic Pathology, RAD 2703 - Clinical Education V

Course Level Objectives

Upon successful completion of this course the student will be able to:

1. Analyze concepts from Introduction to Radiography. (PLO 3, 5)
2. Compare and contrast concepts from Radiographic Procedures I, II, III and Advanced Radiographic Procedures. (PLO 3)
3. Examine Radiation Protection and Radiobiology concepts. (PLO 3, 4)

4. Analyze concepts from Radiation Physics. (PLO 3, 4)
5. Distinguish pathologies that appear radiographically. (PLO 3, 4)
6. Examine the characteristics of digital imaging. (PLO 4)

Reading

LAD 9040 - Reading, Writing, and Computing Essentials

0 Credits

This course teaches/reviews skills in the following areas: NPC LMS experience, reading and writing comprehension, and college-readiness training in basic computer and financial literacy.

Prerequisite: Appropriate placement score

Pre or Corequisite: ORT 1000 Student LMS Training

Respiratory Therapy

RESP 1103 - Foundations of Respiratory Care

3 Credits

The course provides the student with the foundations of respiratory care. Course topics include the profession, roles and responsibilities of the respiratory therapist in today's health care environment and scientific principles guiding the practice of respiratory care. Content includes infection control, pharmacology for respiratory care, pulmonary function testing and interpretation, physics for respiratory care, medical records, protocols and computer applications. Didactic/Lab. Lab fee.

Prerequisite: Acceptance into the NPC Respiratory Care Program, BIOL 2224 Anatomy And Physiology I, BIOL 2234 Anatomy And Physiology II, MATH 1123 College Algebra, CHEM 1104 Chemistry For Non-Majors or CHEM 1204 General Chemistry I, BIOL 2244 Microbiology.

Corequisite: RESP 1104 Cardio-pulmonary Anatomy & Physiology; RESP 1114 Cardiopulmonary Assessment & Diagnostics.

Didactic/ lab. **Course Level Objectives**

Upon successful completion of this course the student will be able to:

1. Discuss the important historic events and other factor influencing the practice of respiratory care. (PLO 5)
2. Discuss and apply safe practices for the patient and care provider. (PLO 3)
3. Recommend methods of delivering medical gas therapy to patients within the hospital setting. (PLO 2, 6)
4. Assess and monitor gas exchange of patients requiring respiratory therapy. (PLO 1)
5. Recommend airway pharmacology related to the respiratory care profession. (PLO 4)
6. Discuss and apply the principles of aerosol and humidification therapy related to respiratory care. (PLO 1)
7. Discuss the major physical principles related to respiratory care. (PLO 2)

Next Course in Sequence: RESP 1113 Pulmonary Disease, RESP 1124 Respiratory Equipment & Basic Therapeutics, RESP 2114 Critical Respiratory Care, RESP 2222 Adjunctive & Specialty Respiratory Care,

RESP 1104 - Cardiopulmonary Anatomy and Physiology

4 Credits

This course provides an in-depth study of coronary and pulmonary anatomy and physiology with focus on the adult patient. Emphasis is on the heart-lung relationship within the context of ventilation, gas exchange physiology, acid-base regulation, exercise, and cardiopulmonary compensatory mechanisms. Additional content explores the cardiovascular and renal systems as they relate to cardiopulmonary function. Didactic only.

Prerequisite: Acceptance into the NPC Respiratory Care Program, BIOL 2224 Anatomy And Physiology I, BIOL 2234 Anatomy And Physiology II, CHEM 1104 Chemistry For Non-Majors or CHEM 1204 General Chemistry I, BIOL 2244 Microbiology, MATH 1123 College Algebra

Corequisite: RESP 1103 Foundations of Respiratory Care, RESP 1114 Cardiopulmonary Assessment & Diagnostics

Didactic only. **Course Level Objectives**

Upon successful completion of this course the student will be able to:

1. Describe how spontaneous breathing and positive pressure mechanical ventilation are different and similar in the way they create pressure gradients throughout the respiratory cycle. (PLO 2, 3)
2. Explain the way in which various abnormal physiological processes impair the effectiveness of lung clearance mechanisms. (PLO 1, 3, 6)
3. Describe how the upper and lower airways differ in their ability to filter, humidify, and warm inspired gas. (PLO 1, 3)
4. Explain how compliance and resistance are related to the emptying and filling rates of the lung during breathing. (PLO 1, 3)
5. Explain how minute ventilation, alveolar ventilation, and dead space ventilation are interrelated. (PLO 1, 3)
6. Use arterial blood gas values to distinguish between primary respiratory and primary metabolic acid-base disturbances. (PLO 1, 3)
7. Explain how right and left ventricular pumping function can be assessed through pulmonary artery catheterization. (PLO 1, 3)

Next Course in Sequence: RESP 1113 Pulmonary Disease, RESP 1124 Respiratory Equipment & Basic Therapeutics, RESP 2222 Adjunctive & Specialty Respiratory Care

RESP 1113 - Pulmonary Disease

3 Credits

This course will introduce the student to the various respiratory disease processes and their clinical manifestations through review of patient data, clinical presentation, basic laboratory tests and respiratory testing data. Emphasis will be on the role of the respiratory therapist in the assessment, recognition, and treatment of common pulmonary diseases.

Prerequisite: RESP 1103 Foundations of Respiratory Care, RESP 1104 Cardiopulmonary Anatomy and Physiology, and RESP 1114 Cardiopulmonary Assessment & Diagnostics

Corequisite: RESP 2114 Critical Respiratory Care; RESP 1124 Respiratory Equipment & Therapeutics; RESP 2222 Adjunctive & Specialty Care

Didactic only. **Course Level Objectives**

Upon successful completion of this course, the student will be able to:

1. Describe patient assessment techniques used to evaluate the health status of patients. (PLO 1)

2. Differentiate assessment techniques needed to assist the respiratory therapist in determining the cardiopulmonary health status of patients. (PLO 1)
3. Describe therapeutic procedures used to treat patients with cardiopulmonary disease. (PLO 2, 6)
4. Compose a plan of care for patients with cardiopulmonary disease. (PLO 4, 5)
5. Evaluate the effectiveness of a plan of care for the patient with cardiopulmonary disease. (PLO 3)

Next Course in Sequence: RESP 2114 Critical Respiratory Care; RESP 1124 Respiratory Equipment & Therapeutics; RESP 2222 Adjunctive & Specialty Care

RESP 1114 - Cardiopulmonary Assessment & Diagnostics

4 Credits

This course provides content that prepares the student for the patient care encounter. Content focuses on interviewing and assessment skills including data collection and analysis from a variety of subjective and objective sources. The student is introduced to various diagnostic equipment and testing procedures. The role of the Respiratory Therapist as a member of the Rapid Response Team is covered. Didactic/lab. Lab fee.

Prerequisite: Acceptance into the NPC Respiratory Care Program, BIOL 2224 Anatomy And Physiology I, BIOL 2234 Anatomy And Physiology II, MATH 1123 College Algebra, CHEM 1104 Chemistry For Non-Majors or CHEM 1204 General Chemistry I, BIOL 2244 Microbiology.

Corequisite: RESP 1103 Foundations of Respiratory Care, RESP 1104 Cardiopulmonary Anatomy and Physiology.

Didactic/lab. Course Level Objectives

Upon successful completion of this course the student will be able to:

1. Demonstrate skill in physical assessment of the chest, oxygen status including neurologic assessment, and cardiopulmonary function of patients. (PLO 1, 3)
2. Demonstrate skill in selected cardiopulmonary diagnostic tests and procedures including electrocardiogram, pulmonary function testing, and other selected tests. (PLO 2)
3. Competently perform arterial blood gas interpretation (acid base balance and oxygen status) (PLO 1, 3)
4. Analyze and interpret assessment data and selected cardiopulmonary testing results. (PLO 1, 3)
5. Safely apply and manage selected respiratory diagnostic equipment. (PLO 2)
6. Demonstrate skill in oral and written communication of assessment findings and responses to therapy. (PLO 2)
7. Evaluate the role of the Respiratory Therapist as part of the Rapid Response Team (PLO 3, 4)

Next Course in Sequence: RESP 1113 Pulmonary Disease, RESP 1124 Respiratory Equipment & Basic Therapeutics, RESP 2114 Critical Respiratory Care, RESP 2222 Adjunctive & Specialty Respiratory Care

RESP 1124 - Respiratory Equipment & Basic Therapeutics

4 Credits

This course introduces the student to equipment and basic principles of physics used in the delivery, management, and evaluation of respiratory care in a variety of practice settings. Content includes focus areas of medical gas therapy, infection control, airway management, bronchial hygiene, and safe transport. Students are introduced to principles governing the safe initiation and management of mechanical ventilation along with alternative ventilator and sleep devices. Lab fee.

Prerequisite: RESP 1103 Foundations of Respiratory Care; RESP 1104 Cardiopulmonary Anatomy and Physiology; RESP 1114 Cardiopulmonary Assessment & Diagnostics

Corequisite: RESP 1113 Cardio-Pulmonary Disease; RESP 2222 Adjunctive & Specialty Respiratory Care; RESP 1124 Respiratory Equipment & Therapeutics.

Didactic and Lab. **Course Level Objectives**

Upon successful completion of this course, the student will be able to:

1. Demonstrate competence with equipment used in the delivery of respiratory therapeutics. (PLO2)
2. Analyze and evaluate basic principles of physics used in the delivery of respiratory therapeutics. (PLO3)
3. Demonstrate competence in the delivery, management, and evaluation of responses to selected respiratory therapeutics. (PLO1)
4. Explain principles and practices that decrease the transmission of infection and disease. (PLO6)
5. Summarize the role and responsibilities of the respiratory therapist in simulated patient care situations. (PLO3)
6. Manage the general operation and function of mechanical ventilators. (PLO3)

RESP 2103 - Applications of Respiratory Care

3 Credits

This course allows for reinforcement and application of previously learned knowledge, skills, and attitudes relevant to the practice of quality respiratory care. Emphasis will be on the development of critical thinking skills, clinical judgment and effective decision-making that will promote positive patient outcomes. Students will be given opportunities to further explore both acute and chronic respiratory diseases and disorders from a problem-based/case study learning approach, developing, evaluating, and modifying respiratory plans of care. Didactic only.

Prerequisite: RESP 2143 Practicum I

Corequisite: RESP 2234 Clinical Practicum II; RESP 2112 Resuscitation Techniques

Didactic only. **Course Level Objectives**

Upon successful completion of this course the student will be able to:

1. Apply knowledge, skills, and behavioral learning to problem-based/case study patient (acute and chronic) care situations to promote positive outcomes. (PLO 3)
2. Demonstrate critical thinking behaviors in patient care and other health care case studies/scenarios. (PLO 1, 3)
3. Develop, evaluate, and modify respiratory plans of care based on patient data collection, analysis, and clinical judgment. (PLO 1, 3, 6)
4. Develop plans of care for the respiratory disease management of chronic respiratory disorders. (PLO 3, 4, 5)
5. Develop continuing skills of information gathering, decision making, and modification of current therapy through exercises in clinical simulation. (PLO 2, 5, 6)

Next Course in Sequence: RESP 2221 Professional Development, RESP 2224 Neonatal/Pediatric Respiratory Care, RESP 2235 Clinical Practicum III

RESP 2112 - Resuscitation Techniques

2 Credits

This course will address the knowledge, skills, and values associated with neonatal, pediatric, and adult life support techniques. Students will become certified in cardiopulmonary resuscitation, advanced cardiac life support (ACLS), neonatal advanced life support (NALS), and pediatric advanced life support (PALS). Lab only. Lab fee.

Prerequisite: RESP 2234 Practicum II

Corequisite: RESP 2235 Clinical Practicum III; RESP 2221 Professional Development

Lab only. **Course Level Objectives**

Upon successful completion of this course the student will be able to:

1. Describe basic heart anatomy and physiology with special emphasis on electrophysiology. (PLO 1)
2. Interpret common cardiac electrophysiological patterns. (PLO 1, 3)
3. Determine when and how to treat common cardiac electrophysiological patterns. (PLO 1, 3)
4. Describe common pacemaker types and systems. (PLO 4)
5. Describe components of a 12-lead electrocardiogram. (PLO 1, 2)
6. Use the AHA Advanced Cardiac Life Support guidelines when treating patients. (PLO 1, 2, 3)
7. Use the AHA Pediatric Advanced Life Support guidelines when treating patients. (PLO 1, 2, 3)

RESP 2114 - Critical Respiratory Care

4 Credits

This course provides students with knowledge and skills in preparation for delivering respiratory care to the critically ill patient in the critical care environment. The student will have the opportunity to further refine assessment skills and application of previous learning. Students will build on knowledge and skill sets relevant to initiation, management, and evaluation of effectiveness, and discontinuation of various respiratory therapeutics including mechanical ventilation. Didactic & Lab. Lab fee.

Prerequisite: RESP 1103 Foundations of Respiratory Care; RESP 1104 Cardiopulmonary Anatomy and Physiology; RESP 1114 Cardiopulmonary Assessment & Diagnostics

Corequisite: RESP 1113 Cardio-Pulmonary Disease; RESP 2222 Adjunctive & Specialty Respiratory Care; RESP 1124 Respiratory Equipment & Therapeutics.

Didactic & Lab. **Course Level Objectives**

Upon successful completion of this course, the student will be able to:

1. Explain the pathology and clinical presentation of the phenomena of respiratory failure. (PLO1)
2. Refine assessment, data collection, and analysis skills consistent with the roles and responsibilities of the respiratory therapist in the critical care environment. (PLO3)
3. Identify assessment data that indicate a need for ventilator support. (PLO2)
4. Explain the principles, mechanics, physiology, and clinical application of mechanical ventilation. (PLO2)
5. Summarize the physiological effects of positive pressure ventilation on the cardiopulmonary and other body systems. (PLO3)
6. Evaluate the effectiveness of selected respiratory therapeutics commonly used in the critical care setting. (PLO1)

RESP 2143 - Clinical Practicum I

3 Credits

This course provides students the opportunity to apply previous learning, principles of physics, anatomy and physiology, acid-base knowledge in lab simulation and a clinical care setting. Principles of interdisciplinary team and patient written and oral communication will also be emphasized. Lab/Hospital.

Prerequisite: RESP 2114 Respiratory Care; RESP 1113 Cardio-pulmonary Disease; RESP 1124 Respiratory Equipment & Therapeutics; RESP 2222 Adjunctive & Specialty Respiratory Care

Course Level Objectives

Upon successful completion of this course the student will be able to:

1. Apply scientific principles of physics, pulmonary anatomy and physiology, and acid-base balance with patients in general care and acute care clinical settings. (PLO 1, 3)
2. Explain the etiology, anatomy, pathology, diagnosis, and treatment of cardiopulmonary diseases (e.g. asthma, chronic obstructive pulmonary disease) and co-morbidities. (PLO 3)
3. Apply current knowledge of patient by obtaining past medical, surgical and family histories before delivering respiratory care to patients. (PLO 1, 3)
4. Demonstrate competence in patient assessment-both subjective and objective data collection by performing physical assessment by inspection to evaluate patient's breathing effort, vital signs, accessory muscle use and ventilatory pattern, chest and extremity deformities or anomalies. (PLO 1, 3, 5)
5. Collect social, behavioral, and occupational history and other historical information incident to the purpose of the current complaint. (PLO 1, 4)
6. Complete a patient assessment through physical examination, chart review and other means as appropriate and interact with healthcare team members about assessment results. (PLO 1, 3, 4)
7. Engage patients through communication and education of their disease process. (PLO 1, 6)
8. Competently administer, monitor, and evaluate the effectiveness of respiratory therapeutics; modifying therapies based on patient response to treatment. Evaluate monitoring of patient's clinical condition with pulse oximeter, electrocardiogram, exhaled gas analysis, and other related devices and document oxygen saturation under all appropriate conditions (i.e. with /without oxygen, during rest, during sleep, with ambulation, etc). (PLO 1, 2, 3)
9. Analyze and ensure accurate results of various types of samples to determine cardiopulmonary function. Including hemodynamic profiles, interpretation of electrolytes, complete blood count, and other related tests. (PLO 1, 2, 3)
10. Demonstrate skill in arterial puncture and interpretation of arterial blood gas results. (PLO 2)
11. Apply and demonstrate principles of effective oral and written communication with patients, families and interdisciplinary team and correctly use relevant terminology during those communications. (PLO 4, 5, 6)
12. Perform basic spirometry and interpret pulmonary function studies, lung volumes and diffusion studies. Explain indications and contraindications for advanced pulmonary function testing. (PLO 1, 2, 3)
13. Demonstrates proficient use of data systems in practice for clinical use. (PLO 1, 3, 5)

Next Course in Sequence: RESP 2103 Applications of Respiratory Care, RESP 2224 Neonatal/Pediatric Respiratory Care, RESP 2234 Clinical Practicum II

RESP 2221 - Professional Development

1 Credits

This course is designed to prepare the student to interact with prospective employers in a professional manner to facilitate successful employment as a respiratory therapist in a variety of practice settings. Course content will prepare the student for the NBRC self-assessment evaluation exam and also for the NBRC advanced practice examination process. Didactic and Lab. Lab fee.

Prerequisite: RESP 2234 Clinical Practicum II; RESP 2103 Applications of Resp. Care; RESP 2112 Resuscitation Techniques

Corequisite: RESP 2224 Neonatal/Pediatric Respiratory Care, RESP 2235 Clinical Practicum II.

Didactic and Lab. **Course Level Objectives**

Upon successful completion of this course, the student will be able to:

1. Participate in a comprehensive review of Basic and Advanced Respiratory Care. (PLO 1)
2. Prepare for the NBRC self-assessment evaluation exam and the NBRC advanced practice examination process. (PLO 5)
3. Apply the principles and practices that improve test taking skills. (PLO 3)
4. Participate in weekly testing to identify personal content weaknesses. (PLO 3)
5. Compose a personal remediation plan for preparing for the certification/registry exams. (PLO 3)
6. Demonstrate the proper method to fill out the paperwork for Medical Board License. (PLO 5)
7. Explain the role and scope of the Certified/Registered Respiratory Therapist. (PLO 5)

RESP 2222 - Adjunctive & Specialty Respiratory Care

2 Credits

This course will prepare the student to deliver patient education/ health education to facilitate health promotion and disease prevention. Cardiopulmonary rehabilitation from historical and scientific perspectives is introduced. Students will acquire knowledge and skills in the focus areas of pulmonary rehabilitation, home care, and various sub-specialty areas of respiratory care. The role of the respiratory therapist in disaster response is explored. Didactic and Lab. Lab fee.

Prerequisite: RESP 1103 Foundations of Respiratory Care; RESP 1104 Cardiopulmonary Anatomy and Physiology; RESP 1114 Cardiopulmonary Assessment & Diagnostics

Corequisite: RESP 2114 Respiratory Critical care; RESP1113 Cardio-pulmonary Disease; RESP1124 Respiratory Equipment & Therapeutics.

Didactic and Lab. **Course Level Objectives**

Upon successful completion of this course, the student will be able to:

1. Construct effective educational materials for patients and caregivers utilizing the cognitive, psychomotor, and affective learning domains. (PLO 4, 6)
2. Exhibit current knowledge of tobacco products, smoking cessation, and research. (PLO 1, 2)
3. Explain the role of the respiratory therapist in selected medical procedures. (PLO 4, 5)
4. Discuss components of cardiopulmonary rehabilitation. (PLO 1, 3, 6)
5. Elaborate on the role and responsibilities of the respiratory therapist in selected sub-specialty areas. (PLO 1, 4)
6. Consider the role and responsibilities of the respiratory therapist in disaster and potential bioterrorism situation. (PLO 1, 2, 3)

RESP 2224 - Neonatal/Pediatric Respiratory Care

4 Credits

This course introduces concepts of human growth and development of the fetus, neonate, and pediatric patient relevant to the practice of the respiratory therapist. Mastery of content will equip the student with the knowledge and skills to safely deliver respiratory care to the neonatal/pediatric patient experiencing common neonatal/pediatric disorders. Focus will be on assessment of cardiopulmonary status, delivery and monitoring of therapeutics, and evaluation of responses. Didactic only.

Prerequisite: RESP 2143 Clinical Practicum I

Corequisite: RESP 2103 Applications of Respiratory Care, RESP 2234 Clinical Practicum II

Didactic only. **Course Level Objectives**

Upon successful completion of this course, the student will be able to:

1. Evaluate fetal development with particular detail to lung development. (PLO 3)

2. Discuss fetal gas exchange and its transition to extrauterine life. (PLO 1)
3. Summarize the major assessment techniques used to assess the newborn and high-risk deliveries. (PLO 1)
4. Evaluate techniques to assess the neonatal and pediatric patient. (PLO 1)
5. Evaluate therapeutic procedures to support the failing respiratory and cardiovascular systems. (PLO 2)
6. Summarize the presentation, diagnosis, and treatment for the major lung and heart pathologies affecting the neonatal and pediatric patient. (PLO 4)
7. Articulate the important considerations in transporting neonatal and pediatric patients requiring ventilatory support. (PLO 4)
8. Evaluate the successful transition to home for a ventilator dependent pediatric patient. (PLO 6)
9. Successfully treat simulated patient emergencies according to guidelines established by the American Heart Association and American Academy of Pediatrics for neonatal resuscitation. (PLO 5)

RESP 2234 - Clinical Practicum II

4 Credits

A progression of Clinical Practicum I, this course provides students the opportunity to further apply principles of physics, pulmonary anatomy and physiology, acid base, and a more expanded knowledge base and skill set in a clinical care setting. Students will competently initiate, deliver, monitor, evaluate effectiveness, and modify respiratory plans of care and respiratory therapeutics. This course also allows students to apply knowledge, skills, and behaviors to the practice of the respiratory therapist in alternate sites. Sites may include long-term care facilities, hospice, physician offices, sub-acute care specialty units, pulmonary rehabilitation, the home, and sleep labs. Students will further refine oral and written communication with patients, families, and the health care team. Lab/Hospital.

Prerequisite: Successful completion of RESP 2143 Clinical Practicum I

Corequisite: RESP2103 Applications of Respiratory Care; RESP2112 Resuscitation Techniques

Lab/Hospital. Course Level Objectives

Upon successful completion of this course the student will be able to:

1. Apply previous learning, scientific principles of physics, pulmonary anatomy and physiology, and acid-base balance with patients in simulated labs and acute and critical care clinical settings. (PLO 1, 3)
2. Apply current knowledge and skill base while delivering a variety of respiratory care therapeutics with patients in a variety of clinical settings, with a broad range of diseases. (PLO 1, 3)
3. Demonstrate competence in patient assessment and analysis in complex patient care situations, including critical and emergent care settings. (PLO 1, 3)
4. Competently administer, monitor, and evaluate the effectiveness of respiratory therapeutics with complex patients based on protocols; modifying and recommend therapies based on patient responses of assessment and diagnostic testing results. Apply critical thinking skills to the patient in the critical care setting using assessment and diagnostic criteria obtained from analysis of patient data. (PLO 1, 2, 3, 5)
5. Analyze and accurately interpret various assessment and diagnostic data obtained from various sources such as- lab work, chest x-rays, and CT and MRI scans. (PLO 1, 3)
6. Demonstrate skill in arterial puncture and interpretation of arterial blood gas results and the application of medical gases according to those results in both critical and noncritical patients. (PLO 1, 2, 3)
7. Apply principles and correct use of medical terminology for effective interdisciplinary team oral and written communication. (PLO 4, 5, 6)

8. Explain the use of evidence-based medicine in the development and application of hospital based respiratory care protocols. Participate in collaborative care management and planning based on these protocols. (PLO 2, 4, 5)
9. Demonstrate effective communication with patients, families, and members of the health care team to provide the most effective, evidence-based medicine applicable to the patient's care. (PLO 4, 5, 6)
10. Expand the contributions of the Respiratory Therapist in alternative clinical practice settings and demonstrate ability to critique published research in respiratory care. (PLO 6)
11. Establish therapeutic goals with patients who are experiencing acute and chronic disease and rehabilitation. Develop, administer, and re-evaluate the care plan for the chronic disease patient. (PLO 4, 5)
12. Use knowledge effectively to assist in special procedures, such as bronchoscopy. Explain indications and contraindications, general hazards, and complications of these special procedures. (PLO 2, 3, 4)
13. Demonstrate knowledge of basic life support (BLS) and advanced cardiovascular life support (ACLS). (PLO 1, 2, 3)
14. Explain indications and contraindications for sleep studies and relate the results of sleep studies to different types of respiratory sleep disorders. (PLO 3, 4, 6)

Next Course in Sequence: RESP 2221 Professional Development, RESP 2113 Resuscitation Techniques, RESP 2234 Clinical Practicum III

RESP 2235 - Clinical Practicum III

5 Credits

A progression of Clinical Practicum II, this course provides students the opportunity to further synthesize all respiratory care learning, principles of physics, pulmonary anatomy and physiology, acid-base, and a more expanded knowledge base and critical care skill set to care for complex medical patients across the life span in clinical care settings including patients on mechanical ventilation in critical care units. Students will competently initiate, deliver, monitor, evaluate effectiveness, and modify respiratory plans of care and respiratory therapeutics. Students will further refine oral and written communication with patients, families, and the health care team. Lab/Hospital.

Prerequisite: RESP 2234 Clinical Practicum II; RESP 2103 Applications of Respiratory Care; RESP 2112 Resuscitation Techniques

Corequisite: RESP 2221 Professional Development; RESP 2224 Neonatal/Pediatric Respiratory Care

Lab/Hospital. Course Level Objectives

Upon successful completion of this course, the student will be able to:

1. Utilize effective communication and leadership with members of the health care team in the provision of care, bedside decision making, therapy evaluation and modification. (PLO 4)
2. Demonstrate standards and ethics expected of all members of the health care team regarding all college and clinical affiliate policies and procedures. (PLO 5)
3. Employ critical thinking skills, evidence-based knowledge and clinical practice guidelines while making decisions as a member of the Rapid Response Team and/or Code Blue Team. (PLO 1,2)
4. Recommend basic and/or advanced therapeutic and/or diagnostic procedures in relation to the cardiopulmonary status of patients based on clinical data evaluation. (PLO 1,3)
5. Develop therapeutic goals and respiratory care plans using protocols and clinical practice guidelines for acute, chronic and rehabilitation patients who are experiencing cardiopulmonary disease. (PLO 2,4,6)

6. Demonstrate skill in the performance of basic and/or advanced therapeutics in conjunction with all mechanical ventilator modes, prescribed diagnostic studies, respiratory care treatments, and quality control measures in the care of the critical patient. (PLO 1,3)
7. Apply knowledge to effectively assist in physician performed special procedures, including bronchoscopy, thoracentesis, and intubation. (PLO 2,3)
8. Utilize effective communication, with reverence of the culturally diverse patient and family, to provide disease management education. (PLO 4,5,6)
9. Justify recommendations for ventilator changes, pharmacologic treatment, and or therapies based on pathophysiology, interpretations of wave form graphics, pulmonary mechanics, hemodynamic monitoring and related imaging studies. (PLO 1,3)

Sociology

SOC 1103 - Introduction To Sociology*

3 Credits

This course is designed to introduce students to various sociological issues and theory. Sociology is the study of society. Societal issues include the following: family, medicine, deviance, education, culture, inequality, and others. The course will investigate sociological forces from a scientific approach. Research methods are vital to understanding social behavior.

Course Level Objectives

Upon successful completion of this course, the student will be able to:

1. Identify the benefits and problems of the following research methods: surveys, case studies, lab observation, secondary data, and participant observation. (GEO 3)
2. Explain the three major causes of cultural change in a global context. (GEO 1, 3, 4)
3. Apply the key concepts of the functionalist, conflict, and interactionist theories to the various sociological topics studied during the semester. (GEO 2, 3)
4. Apply US census data in the analysis of specific changes to the American family and/or American society over a given time. (GEO 2, 3)
5. Distinguish six policies of race relations from a historical and social perspective. (GEO 3)
6. Apply the functions and conflicts of mass media in reference to time frame and various cultures. (GEO 2, 3)

ACTS Equivalent Course Number: SOCI 1013

SOC 1503 - Intro to Addiction Studies

3 Credits

This course is intended to provide an introduction to core concepts and ideas in the addiction field. An overview of historical, biological and psychosocial perspectives on addiction will be provided, ending with a summary of the current trends in addictions and substance use. This includes the influence of multicultural factors including race, ethnicity, sexuality, and culture of origin.

Building on this knowledge base, students will learn foundational concepts that underpin how addiction is understood and treated by professionals. This includes preventative interventions, basic assessment methods evidence-based interventions for substance use from a strengths perspective, and relapse prevention. Family and social influences are understood to be part of these discussions.

Course Level Objectives

Upon successful completion of this course, the student will be able to:

1. Assess and employ basic reading strategies. (GEO 3)
2. Formulate ideas and opinions based on readings. (GEO 1)
3. Compose coherent, unified, and well supported sentences, paragraphs, and essays. (GEO 2)
4. Improve vocabulary. (GEO 4)
5. Write properly using the rules of grammar and punctuation. (GEO 1)

SOC 2113 - Cultural Diversity

3 Credits

This course will provide students with the tools to cope in the modern world, in which cultural sensitivity and empathy are necessary skills for employees, particularly in the social services and counseling fields. Students will learn to work within multi-racial, multi-ethnic environments, with co-workers of different faith, age, sexual orientation, and cultural perspective

Course Level Objectives

Upon successful completion of this course, the student will be able to:

1. Recognize differences between people of different cultures, religions, race, ethnicity, sexual orientation and ages. (GEO 2, 4)
2. Discuss prejudice, discrimination, assimilation and privilege and be able to apply these concepts to real life scenarios presented in assignments and/or classroom activities. (GEO 1,3,4)
3. Describe how a culturally diverse society may impact daily interactions in your future professional endeavors. (GEO 1,2,4)
4. Demonstrate how to work effectively in diverse teams. (GEO 1,4)
5. Identify personal beliefs and values and describe the possible origins which may have contributed to their development. (GEO 2, 3)
6. Recognize how personal beliefs and values can influence individual and team work. (GEO 2,4)
7. Describe society's current role in maintaining oppression and marginalization of certain vulnerable groups and explain the rationale which facilitates these events. (GEO 1,3,4)
8. Identify barriers to cultural competency in the workplace and be able to apply learned concepts to address the barriers. (GEO 3)

ACTS Equivalent Course Number: NONE

SOC 2203 - Social Problems*

3 Credits

This course is designed to introduce students to global social problems. Various social problems will be defined, explained, and described in reference to the situation. Some social problems will be Macro (unemployment, poverty, crime, etc.) and other problems will be Micro (drug abuse, sexual behavior, wellbeing). Topics studied are based on empirical research.

Course Level Objectives

Upon successful completion of this course, the student will be able to:

1. Explain the difference between subjective and objective social problems. (GEO 1, 3)
2. Describe the conflict, functional and symbolic interactionist theories of social problems. (GEO 1, 3)
3. Explain the elements of culture and social structure. (GEO 1, 3)
4. Apply the sociological theories to global health issues of morbidity, life expectancy, and mortality. (GEO 2, 3)
5. Explain the social and personal costs of drug abuse in accordance with nationally-recognized health organizations. (GEO 1, 3, 4)
6. Apply the sociological theories to the social problem of poverty. (GEO 2, 3)

ACTS Equivalent Course Number: SOCI 2013

SOC 2223 - Introduction to Social Work

3 Credits

Introduction to Social Work focuses on major concepts and principles of professional social work, including: the development of social welfare; the history of social work; the knowledge, skills, and value base of social work; models of social work methods; and current social work practice applications. This course looks at the basis of knowledge for theories of human rights, social justice, and diversity. The course Introduction to Social Work lays a foundation for social worker's professional entry into both public and private, profit and non-profit arenas.

Prerequisite: SOC 1103 Introduction to Sociology

Course Level Objectives

Upon successful completion of this course, the student will be able to:

1. Describe the development of social work and social welfare and the relationship of these fields. (GEO 1, 3)
2. Describe the generalist framework for social work practice. (GEO 1, 2, 3)
3. Demonstrate awareness of values and ethics of the social work profession. (GEO 2, 3, 4)
4. Analyze contemporary social problems in our society and explain current social services designed to meet these problems. (GEO 2, 3)
5. Discuss gaps and controversial issues in current service areas. (GEO 1, 2, 3)

SOC 2233 - Interviewing Skills and Practice

3 Credits

This course examines the theoretical basis of interviewing and represents that initial introduction in the development of effective counseling skills for social workers, addiction counselors, human services personnel, or any professional engaged in helping those seeking behavior change. Philosophies and methodologies utilized in interviewing practices will be studied. The course will explore person-centered, evidenced based interview techniques that develops skills and knowledge applicable to any population group regardless of cultural, social, and religious background.

Course Level Objectives

Upon successful completion of this course, the student will be able to:

1. Identify the central concepts of ambivalence and discrepancy and the rationale for developing clear and specific interviewing skills in facilitating behavioral change. (GEO 2, 3)
2. Identify the basic components and therapeutic principles of interviewing strategies and how they create a climate and impetus for changing behavior. (GEO 2, 3)
3. Demonstrate knowledge of the research and evidence-base practice underlying interviewing strategies particularly as it pertains to diverse clients and settings. (GEO 1, 3)
4. Identify the philosophy and spirit that characterize interviewing approaches as well as their relevancy to ethics and values. (GEO 2, 3, 4)
5. Demonstrate a beginning mastery of the skills involved in systematic methods of interviewing and apply them to specific behavioral and health-related challenges, identify personal challenges, areas of growth, and steps needed to continue developing interviewing skills and using them with consistency. (GEO 3)
6. Recognize and apply three foundations of effective helping: multicultural competence, ethics, and a strength based positive perspective. (GEO 2, 3)

7. Analyze their own interviewing behavior and its effectiveness with clients. (GEO 2, 3)
8. Practice the Three-Stage Model of Interviewing. (GEO 3)

Spanish Language

SPAN 1103 - Beginning Spanish I*

3 Credits

Beginning Spanish I is an introductory course for students with little or no previous knowledge of the language. This course is designed to develop the four basic language skills in Spanish: listening, speaking, reading, and writing. Emphasis is placed on basic vocabulary, grammatical structures, and cultural aspects of the language.

Course Level Objectives

Upon successful completion of this course, the student will be able to:

1. Write using proper Spanish spelling, phrases, and sentence structure. (GEO 1, 3)
2. Speak using proper Spanish pronunciation, phrasing, and sentence structure. (GEO 1, 3)
3. Engage in Spanish conversations and written communication to describe daily activities, provide and obtain information, and express feelings and emotions including academic life, family, free time, your likes and dislikes, vacation, climate, geography. (GEO 1, 2)
4. Use the proper Spanish verbs in the present tense. (GEO 3)
5. Discuss the important components of Spanish-speaking cultures in the Americas and Spain. (GEO 3, 4)

ACTS Equivalent Course Number: SPAN 1013

Next Course in Sequence: SPAN 1113, Beginning Spanish II

SPAN 1113 - Beginning Spanish II*

3 Credits

Beginning Spanish II is a continuation of Beginning Spanish I. This is a course designed to continue the development of the four basic language skills in Spanish: listening, speaking, reading, and writing. Emphasis is placed on basic to advanced vocabulary, grammatical structures, and cultural aspects of the language.

Prerequisite: SPAN 1103-Beginning Spanish I or equivalent.

Course Level Objectives

Upon successful completion of this course, the student will be able to:

1. Engage in conversations and written communication in the Spanish language related to a variety of topics. (GEO 1, 2, 3)
2. Greet using Spanish forms of tú and usted. (GEO 3)
3. Use the Spanish language to communicate effectively in a common Spanish-speaking situation. (GEO 1, 3)
4. Use the proper Spanish words for time, quantity, and measurement. (GEO 3)
5. Use the proper Spanish present tense and past tense in conversation. (GEO 3)
6. Discuss important components of the Spanish-speaking cultures in the Americas and Spain. (GEO 3, 4)

ACTS Equivalent Course Number: SPAN 1023

Next Course in Sequence: SPAN 2113, Intermediate Spanish I

SPAN 2113 - Intermediate Spanish I*

3 Credits

Intermediate Spanish I is an intermediate language course designed to expand student's proficiency in the four language skills in Spanish: listening, speaking, reading, and writing. Emphasis will be placed on reading, writing, and discussing in Spanish along with expanding cultural knowledge. The course will also include the review and perfection of advanced grammatical structures.

Prerequisite: SPAN 1113 - Beginning Spanish II* or equivalent.

Course Level Objectives

Upon successful completion of this course, the student will be able to:

1. Engage in conversations and written communication in the Spanish language related to a variety of advanced topics, such as science and technology, current issues, the economy, and politics. (GEO 1, 2, 3)
2. Write and speak Spanish with general ease and confidence. (GEO 3)
3. Use the proper Spanish forms of future tense, subjunctive mood, and utilize reflexive verbs. (GEO 1, 3)
4. Debate issues in Spanish, expressing opinions and arguments. (GEO 2, 3)
5. Read and comprehend Spanish-language short stories. (GEO 3)
6. Demonstrate an increased knowledge and awareness of the Spanish-speaking cultures in the Americas and Spain. (GEO 3, 4)

ACTS Equivalent Course Number: SPAN 2013

Next Course in Sequence: SPAN 2, Intermediate Spanish II

SPAN 2123 - Intermediate Spanish II*

3 Credits

Intermediate Spanish II is a continuation of SPAN 2113 - Intermediate Spanish I* and is designed to expand student's proficiency in the four language skills in Spanish: listening, speaking, reading, and writing. Emphasis will be placed on reading, writing, and discussing in Spanish along with expanding cultural knowledge. The course will continue the review and perfection of advanced grammatical structures.

Prerequisite: SPAN 2113 - Intermediate Spanish I* or equivalent.

Course Level Objectives

Upon successful completion of this course, the student will be able to:

1. Engage in conversations and written communication in the Spanish language related to a variety of advanced topics situated in multiple contexts of time. (GEO 1, 2, 3)
2. Utilize the proper Spanish preterit and imperfect verb forms describing past actions, as well as the conditional future. (GEO 3)
3. Describe objects and people in Spanish using relative clauses with indicative and subjunctive verb forms. (GEO 1, 3)
4. Watch, discuss, and analyze Spanish-speaking films, television, and other media. (GEO 2, 3)
5. Develop skills for understanding written and spoken Spanish with ease and confidence. (GEO 3)
6. Demonstrate an increased knowledge and awareness of Spanish-speaking cultures in the Americas and Spain. (GEO 3, 4)

ACTS Equivalent Course Number: SPAN 2023

Speech

SPCH 1103 - Fundamentals of Public Speaking*

3 Credits

This course is designed to enhance the student's ability to communicate through the study of theory and practice of communication in interpersonal, small group, and public speaking settings. It emphasizes proficiency in speech organization, speech delivery, critical thinking and listening applications. The course will be taught using the lecture-forum method. All students are expected to participate in classroom activities and discussions.

Course Level Objectives

Upon successful completion of this course, the student will be able to:

1. Demonstrate effective listening and critical thinking skills. (GEO 2, 3, 4)
2. Prepare and deliver a self-introduction, informative, persuasive and group speech speeches using visual aids. (GEO 1, 3)
3. Research ideas and select audience-appropriate topics for individual speeches. (GEO 2, 3)
4. Create and deliver a clear, coherent message to an audience. (GEO 1, 2, 4)
5. Employ appropriate non-verbal cues and communication skills to articulate information effectively. (GEO 1, 3)
6. Write a full-sentence written informative and persuasive speech outline, using the speech outline templates provided in the class. (GEO 1, 3)
7. Explore theory and major developments in the practice of public speaking. (GEO 3)
8. Analyze and illustrate the role of public speaking as a powerful historical force. (GEO 2, 3)

ACTS Equivalent Course Number: SPCH 1003

Supervisory Management

SUPM 1123 - Introduction To Supervision

3 Credits

Designed to give first-line supervisors and students an overview of the field of industrial supervision. Topics include techniques and procedures of general supervision, duties and responsibilities of the foreman, and employer/employee relationships. Attention is given to quality control, accounting, safety, and industrial engineering.

Course Level Objectives

Upon successful completion of this course, the student will be able to:

1. Describe the concepts and principles of supervisory management (PLO 5)
2. Apply managerial functions (PLO 1)
3. Discuss the legal issues associated with managing/supervising a diverse workforce (PLO 4, 6)
4. Distinguish methods of communication (PLO 2, 5)
5. Classify workforce motivation principles (PLO 4)
6. Distinguish between decision-making skills and problem-solving skills (PLO 3)
7. Determine procedures for managing workplace change effectively (PLO 4)
8. Explore methods that help empower employees (PLO 4)
9. Assemble and manage effective teams (PLO 3, 6)
10. Review the performance appraisal process (PLO 3, 6, 7)

11. Demonstrate methods for resolving workplace conflicts (PLO 4)

Technical Mathematics

TECM 1103 - Technical Math I

3 Credits

This course covers ratio and proportion, measurement, estimation, interpretation of graphs, basic algebra, formula rearrangement, basic geometry, basic trigonometry, and their application to technical problems.

Prerequisite: Appropriate placement score

Course Level Objectives

Upon successful completion of this course, the student will be able to:

1. Use signed numbers and powers of ten, including scientific notation correctly. (PLO 4, 5)
2. Calculate units of length, area, volume, mass, weight, and capacity in both the English and metric systems. (PLO 2, 3, 4, 5)
3. Calculate equivalent values with different units, including the Fahrenheit and Celsius temperature scales using conversion factors. (PLO 2, 3, 4, 5)
4. Define the concepts of precision, accuracy, and greatest possible error in measurements, including the use of the vernier caliper. (PLO 1, 2, 3, 4, 5)
5. Use ratio and proportion in industry-specific scenarios appropriately. (PLO 2, 4, 5)

Next Course in Sequence: Varies

Welding Technology

WLD 1114 - Pipe Welding I

4 Credits

In this course, students will learn the basic welding and fabrication process as they apply to layout structure, pipe angles, various pipe fits and cutting procedures. Curriculum for this course is based on the National Center for Construction Education and Research (NCCER) guidelines. (1 - 6 - 4)

Course Level Objectives

Upon successful completion of this course the student will be able to:

1. Demonstrate proper Layout & Fabrication, & Pipe Welding techniques in metal construction. (PLO 1, 2, 3, 4, 5)
2. Recognize and use all resources for welding procedures and repairs. (PLO 1, 2, 3, 4, 5)
3. Demonstrate proper employability skills. (PLO 2, 3, 4)
4. Recognize and safely use hand and power tools. (PLO 3, 4, 5)
5. Observe and comply with all shop safety procedures and environmental regulations. (PLO 2, 3, 4)

Next Course in Sequence: WLD 1124 Pipe Welding II

WLD 1124 - Pipe Welding II

4 Credits

This course is a continuation of WLD 1114 Pipe Welding I. This course covers further the welding and fabrication processes related to welding and pipefitting. Curriculum for this course is based on the National Center for Construction Education and Research (NCCER) guidelines. Prerequisite: Pipe Welding I. (1 - 6 - 4)

Prerequisite: WLD 1114 - Pipe Welding I

Course Level Objectives

Upon successful completion of this course the student will be able to:

1. Demonstrate proper Layout & Fabrication, & Pipe Welding techniques in metal construction. (PLO 1, 2, 3, 4, 5)
2. Recognize and use all resources for welding procedures and repairs. (PLO 1, 2, 3, 4, 5)
3. Demonstrate proper employability skills. (PLO 2, 3, 4)
4. Recognize and safely use hand and power tools. (PLO 3, 4, 5)
5. Observe and comply with all shop safety procedures and environmental regulations. (PLO 2, 3, 4)

WLD 1218 - Introduction to Welding/SMAW

8 Credits

In this course, students will cover shop safety, tool and equipment identification and learn basic welding techniques in shielded arc metal welding, including cutting with oxyfuel equipment, electrode classification and testing welds using destructive and non-destructive methods. The lab portion of the course will provide opportunities for students to apply knowledge from theory based classes to practical exercises. This course covers the National Center for Construction Education and Research (NCCER) curriculum for Welding Level One. (3 lecture - 10 lab - 8 credits)

Course Level Objectives

Upon successful completion of this course, the student will be able to:

1. Observe and comply with all shop safety procedures and environmental regulations. (PLO 2, 3, 4)
2. Recognize and use all resources for welding procedures and repairs. (PLO 1, 2, 3, 4, 5)
3. Recognize and safely use hand and power tools. (PLO 2, 3, 4)
4. Demonstrate proper SMAW welding techniques in all positions. (PLO 3, 4, 5)

WLD 1228 - GMAW (MIG Welding)

8 Credits

This course is designed for students to gain practical knowledge of MIG/Flux core Dual Shield welding and associated tasks necessary for a Commercial/Industrial environment. The course incorporates the principles of MIG welding, Oxygen/Acetylene cutting of metals and preparation of various weld joints, and general welding test positions. This course will assist students in the fundamentals of welding and general shop safety. Curriculum for this course is based on the National Center for Construction Education and Research (NCCER) accredited welding guidelines.

Course Level Objectives

Upon successful completion of this course the student will be able to:

1. Observe and comply with all shop safety procedures and environmental regulations. (PLO 1)
2. Recognize and use all resources for welding procedures and repairs. (PLO 1, 2, 5)
3. Demonstrate proper material handling techniques. (PLO 1, 2, 3, 4)
4. Demonstrate proper GMAW/FCAW welding techniques in all positions. (PLO 1, 2, 3, 4, 5)

WLD 1238 - GTAW (TIG Welding)

8 Credits

In this course, students will study the gas tungsten arc welding process. The student will use equipment to perform various welds in all positions. Labs will provide opportunities for students to practice the GTAW

process. This course covers the National Center for Construction Education and Research (NCCER) curriculum for Welding Level Two. (3 - 10 - 8)

Course Level Objectives

Upon successful completion of this course, the student will be able to:

1. Demonstrate proper GTAW welding techniques in all positions. (PLO 1, 2, 3, 4, 5)
2. Recognize and use all resources for welding procedures and repairs. (PLO 1, 2, 3, 4, 5)
3. Demonstrate proper employability skills. (PLO 2, 3, 4)
4. Recognize and safely use hand and power tools. (PLO 3, 4, 5)
5. Demonstrate proper shop safety procedures and environmental regulations. (PLO 2, 3, 4)

WLD 1248 - Layout & Fabrication

8 Credits

In this course, students will learn to fit together structured steel by using various formulas to develop angles of cut and fit. The student will learn various blueprint reading concepts, systems of measurement and proper use of tools. Curriculum for this course is based on the National Center for Construction Education and Research (NCCER) guidelines. (3 - 10 - 8)

Course Level Objectives

Upon successful completion of this course, the student will be able to:

1. Demonstrate proper Layout & Fabrication techniques in metal construction. (PLO 1, 2, 3, 4, 5)
2. Recognize and use all resources for welding procedures and repairs. (PLO 1, 2, 3, 4, 5)
3. Demonstrate proper employability skills. (PLO 2, 3, 4)
4. Recognize and safely use hand and power tools. (PLO 3, 4, 5)
5. Demonstrate proper shop safety procedures and environmental regulations. (PLO 2, 3, 4)